



Assay-ready Compound and Extract Library for Bio-active Screening

Fractionated, semi-purified and less assay-interference SAMPLES derived from highly diversified bio-collections

AZNPbio is a San Diego, California (CA) based, privately-held bio-tech company engaged in natural product sourcing, collection, extraction, purification and manufacturing to serve health Product Company's ever-growing new target and ingredient developments. We have operations and collaborations in US and China.

AZNPbio

(www.aznpbio.com)

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Our library includes more than 8000 bio-collections from over 3500 genera. Currently 5000 extracts purified from 3000 plant species, and 7000 HPLC-isolated compounds and fractions are ready for bio-active screening. One-third of our collections have origin from the Middle East and Africa.

With samples derived from lichen, liverwort, fern, algae, mushroom, aquatics, marine, worm, higher plants and insects for bio-screening (HTS), generating hit-to-lead and preclinical candidates; AZNPbio can help grow your R&D pipeline of new drugs, cosmetics, preservatives, natural flavors, herbicides and pesticides.

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Key Personal:

Jeff Zhao, Ph.D., CSO of AZNPbio

- Director, professor and scientist of natural product chemistry, bio-active screening and new health product research and development since 1983
- Post-Doc of Chemoprevention, Columbia University, New York
- Ph.D of Pharmaceutical Chemistry, Shenyang, China
- Advanced Study of Biochemistry in Kitasato Institute of Japan

- MS of Analytical Chemistry
- BS of Traditional Chinese Medicine

Specilized in cancer prevention, immune modulator, anti-tumor compound, anti-obesity ingredient, skin problems (acne, psoriasis, UVB damage), pain control, CB1 antagonist, lipase inhibitor, BKb1 antagonist, anti-diabetic plants, antiinflammation research and tyrosinase inhibitor screening.

Isolated and identified more than 300 active compounds from natural sources.

Four inventions have been commercialized.

Principle investigators (PI) of new prescription drug, new functional cosmetic ingredients and new dietary supplement formulations.

Dr. Jan Yao, President of AZNPbio

1. Molecular Biologist, Certified Nutritionist, Licensed TCM Doctor and Acupuncturist
2. Sr. Researcher, AMC Cancer Research Center, Denver
3. Post-Doc of Molecular Biology, Columbia University, New York
4. OMD, Liaoning University of Traditional Chinese Medicine
5. B.S., Herb Medicine, Liaoning University of Traditional Chinese Medicine

John Sun, MS of Microbiology
VP of China Operation

Yaoerus Zhao, Sr. Web Developer
DataBase Administrator

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AZNPbio History

Dr. Jan Yao, the founder of AZNPbio established Herb Research Association and began photographing and collecting medicinal plants around New York and New Jersey areas since 1996.

Between 1998 and 2002, Herb Research Association carried out mushroom collections in Central US, performed extraction of bio-collections for cancer prevention research and herb therapy practice.

AZNPbio was established in Washington State in 2006. Natural product collection, extract purchasing from all over the world and database building have been our main businesses. AZNPbio herb specimens have been well accepted and utilized worldwide.

AZNPbio was relocated to San Diego, California in 2011. The company started large scale biomass grinding, extraction and assay sample preparation.

AZNPbio established partnerships with companies and laboratories in US and China for research collaboration and assay sample sharing.

AZNPbio launched bio-sample library for bio-screening in 2012. The numbers of our bio-collections, extracts and compounds are growing daily.

Our collection is large, highly diversified and perfect for the development of new nutraceutical, functional food, dietary supplement, cosmeceutical, pharmaceutical and consumer products.

Recently many natural insecticidals, antifeedants, sweeteners, flavors, coloring ingredients, perfumes, skin-care actives, preservatives and germicides have been discovered from natural products.

We offer design and consulting services for new cosmetics, dietary supplement and preservative industries.

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Our Sample Library:

AZNPbio natural product collections are highly diversified and origin from all over the world. We usually do not collect more than 2 species from one genus. Online resources are frequently checked to reduce the collection of well-studied species.

More than half of our collections are chemically-untapped, so the possibility of finding new bio-active compounds from our library should be high.

Our botanical scientists perform field collection personally in order to reduce error and maintain the high quality of our library. Besides leaves and branches, we make more efforts to collect roots, barks, alga, lichens, liverworts, mushrooms, ferns, seaweeds, clams, insects, worms and galls.

About 8000 natural products belonging to over 3500 genera are in our library. Each sample in air-tight bag is sufficient to generate enough extract for a complete research.

Assay-ready bio-samples are dissolved in DMSO and stored in 96-deep-well master plates for assay daughter plate making. For uniformed assay dilution and avoiding false and missing hits, our samples are distributed into different plates according to their nature and similarity. We can assist you to complete biochemical, enzyme and cell-based assays.

Screening party purchases hit IDs from us for further developments. We release all information associated with the hits. Consistent bulk materials, powder, extracts and some compounds can be supplied for chemical and MOA studies.

We have the expertise and informative database to help your screening, compound isolation and active identification. Our database is the R&D platform for rapid pinpointing actives. Organism description, uses, distribution, safety, development status, chemical, biological and clinical study information are gathered continuously.

All intellectual property rights would belong to screening party if screening party screen, isolate and characterize the active structures.

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Besides Sample Library, What Else We Can Do:

1. Authentic identification of ethnomedicinal plants associated with common names, folk and historic uses, scientific definitions, description, likely alterations and synonyms
2. Geographic distribution and abundance analysis
3. Biological study and Efficacy review
4. Raw material evaluation and sourcing (vendor audit and price investigation, available ingredient and extract purity, strength, composition, active compounds and content range)
5. Comparison and selection of functional plants and ingredients for product formulation
6. Safety evaluation including acute and chronic toxicities, LD50, effects on infants and reproductive organs
7. Irritation and allergy assessment
8. Dosage range suggestion
9. Novelty assessment and patent claims construction
10. Assessment and prediction of oral availability and tissue distribution
11. Quality control method design (UV, HPLC, TLC, HPTLC, GC or GC/MS, organic solvent residues, microbial, heavy metals, and pesticides in standardized extract, compound and ingredient)
12. Manufacturing methods
13. We also supply herbs, raw materials, authentic extracts and cutting-edge science-based functional ingredients.

For hundreds of years, natural products with traditional medicinal uses have led to many new drug molecule inventions.

Ancestors have gained valuable herb knowledge from thousand years of trial-and-error.

Those natural products without folk use records, or not qualified as folk medicines in the process of natural selection may have no biological effects, or the effect is too weak to be noticed.

AZNPbio library serve as shortcuts for finding new molecules, of which possess desirable characters of natural chiral centers, ADME, solubility, stability, permeability, drug-likeness for your structure modification, optimization, and targeting synthesis. Theose new molecules could also be used as precursors or intermediates for testing hypothesis, generating analogues, patentable lead compounds and INDs (Investigative New Drug).

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AZNPbio sample library is unique

We select species for collection according to the potential of finding new bio-actives. Each species is carefully screened to ensure it has medicinal use records and acceptable safety profile.

Once bio-materials arrive at our facility, sorting, checking, processing, cataloging, drying and grinding are carried out in an orderly and careful manner. We use freeze-dryer for some tough-drying samples to avoid chemical degradation and molding.

Many natural product high throughput screening projects fail due to the use of single protocol to process all kinds of bio-masses. Our solution is using different protocols to treat different bio-materials.

Step-wise solvent partition, serial extraction and column separation are used to eliminate interference substances such as salts, proteins, tannin, fats, sugars, polysaccharides, chlorophylls and other commonly found chemicals in natural products, so that assay interferences will be reduced by using our samples.

We categorizes and collects the parts from one living organism separately to reduce man-made extract complexity. Our assay-ready samples from different plant parts such as leaves, roots, and barks are loaded into different master plates for easy and uniformed assay dilution.

Natural compounds have complicated structures and exist in complex mixture. The complicated structures have an advantage in that they are extremely novel compounds, but the complication also makes isolation and identification difficult.

The mixture of thousands of different types of compounds with various contents in a living organism extract can cause bio-assay interference which often leads to bio-screening failure. High content molecules found in most natural product extracts, such as chlorophyll, fat and tannin act as interference in screening process.

The practical difficulties of natural product drug discovery are being overcome by the advances in separation and identification technologies.

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药用生物样品库, 数据库, 新药研发平台

历史证明使用没有经过分离的提取物直接进行药物筛选几乎无任何意义

全新的药用生物样品库及管理收集的数据库, 独特的收集重点, 广泛多样化的生物品种(高等植物, 真菌, 蘑菇, 苔藓, 蕨类, 海洋生物, 昆虫等) 加上特有的样品处理及纯化方法使本样品库成为世界上独一无二的。我们重点收集世界范围内一切没有化学和药理研究过的传统民间药。民间药是发现现代新药的最快途径。我们避免了其它天然产物库品种重复多, 提取物混杂和活性测定干扰严重等问题。我们的初提取物用溶剂梯度萃取分成多个纯化提取物。纯化提取物又进一步用正向和反相层析柱分离成几十个组分, 多数组分几近成为纯化合物。本生物库 (8000) 生物样品) 为国内外提供了研究全世界药用生物品种及开发各类新药, 保健营养品, 功能性化妆品, 功能性日用品及食品添加剂等新产品的宝贵机会。

近十几年新药开发过度依赖生物遗传工程及电脑模拟指导的全合成造成新药批准减少。目前世界性新药研发周期加长, 上市减慢。各大制药公司的新药研发储备(R&D PIPELINES) 正在枯竭。即使几个合成新药勉强上市, 也多在几年后因毒副作用害人而被病人集体控告而赔偿大笔金钱。西方各制药公司正在进入一百多年来第一次因新产品青黄不接而产生的财务危机, 裁人不断。

过去二十五年间全世界 1010 个新药中仍然有一半左右的新药是天然化合物或是根据天然化合物而合成的。二十年前的三十年间有一多半新药属于天然化合物或天然化合物的半合成结构改造物。十几亿个可能存在的所有天然产物分子中只有 1-2%被药理研究过。在目前已发现的近 25 万个天然化合物及其衍生物中, 只有 1 万个左右有生物活性记载, 其它 24 万中的 10 万个左右被 1-2 个活性模型测试过但活性弱或无活性。剩余的十多万已发现的天然化合物有待于用现有成千上万个活性测试模型进行筛选。它们的很多健康作用还没有被发现。

一百年来天然产物研究人员只测定他们需要的活性, 如果没有需要的活性, 化合物就被束之高阁或被遗弃了。我们的药用天然产物库是找回那些遗失化合物的源泉。

中国的中药利用及研发有独到之处, 常用中药已被研究多年了, 世界各地还有许多民间药没有被开发。利用其它民间药研发: **(1)**副作用小或几乎无副作用的化合物复方药, **(2)**主要用于慢性病和 **(3)**适合长期服用的新天然药应是一个很好的方向。继续走前二十年仿造老路会使中国的新药研发跟在西方国家的后面。我们的药用生物样品库为国内外添补了一项空白。它是开发现代新药赶超世界和研制新中药保持中国特色的可靠新药研发平台。

本库收集的各国民间药具有 **900** 多种药性及应用记载, 几乎覆盖了所有现代健康问题。化合物类型也是极其广泛。过去 **100** 年间许多西药新药来自于传统民间药(中国, 印度和欧洲)。但是非洲, 澳洲及中南美洲的民间药却较少研究开发。所以非洲, 澳洲及中南美洲的收集是本库的另一重点。有些天然化合物活性可能不够强, 但可作为新药合成靶向先导物, 靶向先导物是目前新药开发急需的。

过去许多大医药公司的大规模天然药物筛选并不十分成功, 甚至失败。主要是由于用于筛选的提取物太复杂, 对现代酶及细胞活性试验干扰极其严重。约有 **45%**的植物提取物含有鞣质和其它多酚类化合物对酶活性有无选择性的抑制作用。约有 **50%**的植物提取物有叶绿素和脂肪等非极性化合物对受体结合试验有严重干扰。当时大公司的收集库是相当大的一一进行柱分离是不可想象的, 使许多天然药物筛选项目不了了之或被生物遗传工程和电脑模拟全合成取代了。

本库是吸取了过去所有天然药物研发的经验教训而设计建立的。建立一定规模的生物库是一个庞大的系统工程, 需要多专业合作, 巨大的人力及精力投入。要求熟知鉴定全世界植物及其它生物种类; 熟知天然产物的民间应用; 毒副作用; 产地; 化学成分; 药理作用及生物活性; 还要有生物库筛选, 活性成分分离及鉴定经验。首先, 我们对七大洲的生物品种进行分析, 利用各种收索渠道(MEDLINE, 网页, 专业书籍等) 发现所有民间药品种。形成七个大洲民间药用品种列表。首先除掉一些有效成分明确, 已被详细研究过的品种。利用亲自采集或购买等渠道得到所需品种; 摄影(高分辨率影象正在取代传统压制标本); 登记样品及有关信息进入数据库; 一一留样; 粉碎; 取适量粉末提取; 精制萃取; 层析柱分离; 干燥; 称量; DMSO 溶解; 转移溶液进储备母盘。

我们收集了全世界 **8000** 余种药用生物品种。全新的数据库建立完毕, 并且输入了收集生物样品的所有信息情报。已被详细研究过的 **400** 种常用中药在本库中占很小比例。第一批活性测定用的 **10560** 个样品溶液已装入 **120** 个储备母盘, 即使除去转移损耗也至少足够 **85** 种/次筛选。筛选方多为医药科研院所和制药公司。目前可靠的生物活性筛选模型有几千种, 每种筛选模型从 **1000** 个药用生物样品中约能筛出 **5-10** 个有效样品。所以我们的 **10000** 多样品每次筛选后至少能得到 **50** 个左右有效样品。我们的收集品种多为没有被研究过的不常用民间药, 有用品种集中, 发现新有效成分的可能性高于其它盲目收集的生物样品库。筛选结束后筛选方决定和选择购买多少及那些有效样品编号的拉丁名和与其相关信息。我们会随时帮助筛选方找到有效成分。

我们的药用生物库和数据库 比较 其它天然产物样品库

我们的药用生物库:

根据现在活性筛选和药物等健康产品开发需求而新建的

世界范围内生物品种的平衡收集

选择性收集有民间健康应用的天然产物

选择采集有效部位如根和树皮等

样品收集建库由一人管理, 几乎无错误

部位如根茎叶花果实及种子分开收集

高等植物, 蘑菇, 苔藓, 蕨类及海洋生物, 少量昆虫类

样品,粉末及提取物真空, 无氧, 永久保存
 有全部与品种有关的信息, 便于靶向选择及有效成分鉴定
 对提取物进行溶剂系统梯度萃取, 得多种纯化提取物, 各类成分分开
 纯化提取物用层析柱分离成几十个组分/化合物
 相同部位的提取物或组分装入同一活性测试母盘, 便于统一测试浓度

其它天然产物样品库:

太久, 过期, 落后及不适合现今活性筛选要求了
 多为局部地区易采集品种的收集
 盲目大规模收集
 多为易采的枝叶
 多人建立, 错误多, 鉴定混乱
 多数为不分别收集的枝叶或全植物
 多数只有大量高等植物.
 药材及粉末室温保存, 过期快
 无品种有关的信息
 多数为甲醇及二氯甲烷提取物, 大量干扰成分鞣质, 脂肪及叶绿素混在一起
 粗提取物太混杂, 造成分离效果不佳.
 不相同部位的提取物装入同一活性测试母盘, 难于统一测试浓度,
 有效物筛选遗漏或假有效

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Absidia coerulea	Increases receptor-mediated catabolism of low density lipoprotein	Pravastatin	81093-37-0
Absidia coerulea	Antihypercholesterolaemic	Pravastatin	81093-37-0
Absidia sp.	Inhibitor of catecholamine O-methyl transferase	8-O-Methylpurpurogallin-4-carboxylic acid	172971-25-4
Abuta imene	Cytotoxicity	Norrufescine	58189-34-7
Abuta imene	Anti-P388 cells	Norrufescine	58189-34-7
Abuta racemosa	Ant repellent	Dammar α -20,25-diene-3,24-diol	128778-80-3
Abuta rufescens	Cytotoxicity	Norrufescine	58189-34-7
Abuta rufescens	Anti-P388 cells	Norrufescine	58189-34-7
Acacia arabica	HIV reverse transcriptase (HIV-rt) inhibitor	m-Digallic acid	536-08-3
Acacia auriculiformis	CNS depressant	Auriculoside	75871-96-4
Acacia catechu (black catechu), artifact of epimerisation	Phytotoxic	ent-Catechin	18829-70-4
Acacia catechu (black catechu), artifact of epimerisation	Molluscicide	ent-Catechin	18829-70-4
Acacia catechu (black catechu), artifact of epimerisation	Phytotoxic, molluscicide, superoxide scavenger	3,3',4',5,7-Pentahydroxyflavan (2S,3R)-form	18829-70-4

Acacia farnesia	HIV reverse transcriptase (HIV-rt) inhibitor	m-Digallic acid	536-08-3
Acacia karroo	Periodic leaf movement factors	PLMF	
Acacia nilotica	anti-inflammatory	3-O-Acetylhermaphrodiol	1639-43-6
Acacia rigidula	Analgesic	2-Amino-4-methylpyridine	695-34-1
Acacia rigidula	Cardiac stimulant	2-Amino-4-methylpyridine	695-34-1
Acacia rigidula	cardiovascular	4-O-Methyldopamine	3213-30-7
Acacia rigidula	CNS stimulant	Metamfetamine	7/5/4846
Acacia spp.	Antidiabetic	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Chemotactic	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Antitumor promoter	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Antioxidant	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Aldose reductase inhibitor	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Ornithine decarboxylase inhibitor	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Antineoplastic	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Antiinflammatory	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Antimutagenic	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	Antifungal	2',4,4'-Trihydroxychalcone	961-29-5
Acacia spp.	DNA binding	2-Phenylethylamine	64-04-0
Acacia spp.	Monoamine oxidase inhibitor	Benzeneethanamine	64-04-0
Acacia spp.	bactericidal	Phyllemblin	831-61-8
Acacia spp.	Psychotropic effects	Tryptamine	61-54-1
Acacia tortilis ssp. raddiana	Smooth muscle relaxant	Quracol B	108549-46-8
Acalolepta luxuriosa	Antibacterial	Luxoriosin	
Acalolepta luxuriosa	Antimicrobial	Acaloleptin A1	223695-30-5
Acalycigorgia inermis	Inhibitor of starfish egg division	Acalycixeniolide A	113021-55-9
Acalycigorgia inermis	Inhibits cell division in fertilised starfish eggs	Acalycixeniolide B	113021-56-0
Acalycigorgia sp.	Cytotoxic inhibitor of starfish egg division	Acalycixeniolide C	121769-80-0
Acalycigorgia sp.	Immunostimulant	11,12-Dihydrolinderazulene 8,12-Epoxy-1,3,5,7,9-guaiapentaene	110207-64-2
Acanthaster planci	Hepatotoxic DNases II	Plancitoxins	
Acanthaster planci	Hypotensive	Thornasteroside A	67849-63-2
Acanthella acuta	Ichthyotoxin	Aromadendrane 1-isonitrile	112757-34-3
Acanthella acuta	Spongicide	Aromadendrane 1-isonitrile	112757-34-3
Acanthella carteri	Larval metamorphosis-promoting	4,5-Dibromo-1H-pyrrole-2-carboxamide	34649-20-2
Acanthella carvenosa	Anthelmintic	Kalihinol I	133738-48-4
Acanthella carvenosa	Anthelmintic	Kalihinol J	133738-47-3
Acanthella cavernosa	Antifouling	Kalihipyran B	184430-01-1
Acanthella cavernosa	Antifouling	Kalihipyran A	184430-00-0

Acanthella cavernosa	Antifouling	Formamide	188987-59-9
Acanthella cavernosa	Antifouling	Kalihinene Y	171485-62-4
Acanthella cavernosa	Antifouling	Kalihinene Z	171485-63-5
Acanthella cavernosa	Antifouling	Kalihinene X	171370-56-2
Acanthella cavernosa	Larval settlement inhibitor	Kalihinene Y	171485-62-4
Acanthella cavernosa	Larval settlement inhibitor	Kalihinene Z	171485-63-5
Acanthella cavernosa	Larval settlement inhibitor	Kalihinene X	171370-56-2
Acanthella cavernosa	Larval metamorphosis inhibitor	Kalihinene Y	171485-62-4
Acanthella cavernosa	Larval metamorphosis inhibitor	Kalihinene Z	171485-63-5
Acanthella cavernosa	Larval metamorphosis inhibitor	Kalihinene X	171370-56-2
Acanthella cavernosa	Cytotoxic	Isokalihinol B	126622-62-6
Acanthella cavernosa	Antifungal	Isokalihinol B	126622-62-6
Acanthella cavernosa	Antifungal	Kalihinene	126622-61-5
Acanthella cavernosa	Cytotoxic	Kalihinene	126622-61-5
Acanthella cavernosa	Inhibitor of bacterial folate biosynthesis	Kalihinene	126622-61-5
Acanthella cavernosa	Larval metamorphosis inhibitor	Cavernothiocyanate	145543-57-3
Acanthella cavernosa	Leukotriene biosynthesis inhibitor	T-Cadinol	
Acanthella klethra	Cytotoxic	Isokalihinol B	126622-62-6
Acanthella klethra	Antifungal	Isokalihinol B	126622-62-6
Acanthella klethra	Cytotoxic	Kalihinene	126622-61-5
Acanthella klethra	Inhibitor of bacterial folate biosynthesis	Kalihinene	126622-61-5
Acanthella klethra	Antifungal	Kalihinene	126622-61-5
Acanthella sp.	Antimalarial	10-Epikalihinol I	217452-05-6
Acanthella sp.	Antimalarial	D ⁹ -Kalihinol Y	216973-02-3
Acanthella spp.	Bacillus subtilis inhibitor	Kalihinol A	91294-83-6
Acanthella spp.	Staphylococcus aureus inhibitor	Kalihinol A	91294-83-6
Acanthella spp.	Candida albicans inhibitor	Kalihinol A	91294-83-6
Acanthella spp.	Inhibitor of bacterial folate biosynthesis	Kalihinol Y	109979-18-2
Acanthella spp.	Inhibitor of bacterial folate biosynthesis	Kalihinol X	109979-17-1
Acanthella spp.	Topoisomerase I inhibitor	Kalihinol F	93426-91-6
Acanthophis antarcticus (common death adder)	Post-synaptic neurotoxin	Acanthophsin d	126601-49-8
Acanthospermum australe	Antineoplastic	Acanthostran	174720-94-6
Acanthospermum glabratum	Cytotoxic	Acanthospermolide	75744-64-8
Acanthospermum hispidum	Antifeedant	Acanthospermal B	56679-19-7
Acanthostigmella sp.	Antifungal	Antibiotic CJ 19784	
Acanthostrongylophora ingens	Antitumor	Manzamine G	154466-37-2
Acanthostrongylophora sp.	Mycobacteria inhibitor	Manadomanzamine A	
Acanthostrongylophora sp.	Anti-HIV-1	Manadomanzamine A	
Acanthus sp.	Nematicidal	Linaroside	53452-12-3
Acarnus erithacus as part of an inseparable mixt.	Antimicrobial broadly	3,5-Acarnidine	67534-25-2

Acarnus erithacus as part of an inseparable mixt.	Antiviral moderately	3,5-Acarnidine	67534-25-2
Acarospora gobiensis	Antibacterial	Acarogobien A	
Acarospora gobiensis	Antibacterial	Acarogobien B	
Acarus immobilis, Aleuroglyphus ovatus, Tyrophagus perniciosus	Insect pheromone	2-Hydroxy-6-methylbenzaldehyde	18362-36-2
marine worms <i>Ascidia ceratodes</i>	Essential trace element	Vanadium	7440-62-2
Accumulates in certain <i>Escherichia coli</i> mutants	Enhances non-specific infection resistance	Lipid X	86559-73-1
Bacillus pumilus, Bacillus subtilis	Platelet aggregation inhibitor	Acadesine	2627-69-2
Acer ginnala	Antibacterial	Ginnalin B	82151-97-1
Acer ginnala	Antibacterial	Ginnalin C	82145-59-3
Acer griseum, Acer triflorum, Alnus hirsuta	Cytotoxic	Aceroside X	130233-82-8
Acer oblongum, Caesalpinia peltophoroides, Flueggea microcarpa, Geranium sibiricum	Aldose reductase inhibitor	Ethyl brevifolincarboxylate	107646-82-2
Acer pseudoplatanus, mung bean seedlings.		Glucomannan 4-β-mannosyltransferase	37257-30-0
Acer spp.	hypoglycaemic	α-(Methylenecyclopropyl)glycine (S,S)-form	31137-88-9
Acetobacter capsulatum, Gluconobacter oxydans		Dextrin dextranase	9032-13-7
Acetobacter xylinum	Antiviral	Acetoxan	
Acetogenin Annona reticulata (custard apple)	Cytotoxic	Isoannoreticuin	142474-61-1
Acetogenin Annona reticulata (custard apple)	Cytotoxic	Annoreticuin	142488-56-0
Achatina fulica	Antibacterial	Achacin	142539-90-0
Achatina fulica	Antimicrobial	Achacin	142539-90-0
Achatina fulica	Muscle contraction inhibitor	AAPYFV amide	142629-93-4
Achatina fulica	Muscle contraction inhibitor	DAPKFVGRRDPPYFV amide	142629-96-7
Achatina fulica	Muscle contraction inhibitor	AAPKFVGRRGAPYFV amide	142629-98-9
Achatina fulica	Muscle contraction inhibitor	AAPKFVGRRGSPYFV amide	142629-97-8
Achatina fulica	Muscle contraction inhibitor	AAPKFV amide	142629-89-8
Achatina fulica	Myoactive neuropeptides	Achatina fulica MATP	
Achatina fulica	Neuromodulatory peptide	WWamide 1	149665-72-5
Achatina fulica	Neuromodulatory peptide	WWamide 3	149636-89-5
Achatina fulica	Neuromodulatory peptide	WWamide 2	149636-88-4
Achatina fulica	Neuropeptide	YAEFL amide	186256-58-6
Achatina fulica	Neuropeptide	Fulicin	137182-25-3
Achatina fulica	Tetanic contraction potentiater of the penis retractor muscle of <i>A. fulica</i> at very low concentrations	Fulicin	137182-25-3

Achatina fulica, Ascaris suum, Caenorhabditis elegans, Haemonchus contortus, Panagrellus redivivus	Neuromuscular transmitter	Peptide AF2	146269-94-5
<i>Acheta domesticus</i>	Myotropic	Achetakinins	
Achillea filipendulina, Cymbopogon goeringii	Anti-herpes virus	2-Bornanol	10334-13-1
Achillea millefolium (yarrow)	Antitumor	Achimilic acid	110732-04-2
<i>Achillea millefolium</i> (yarrow), <i>Betonica officinalis</i> (preferred genus name <i>Stachys</i>), <i>Marrubium vulgare</i> (horehound), <i>Stachys sylvatica</i>	Antiinflammatory	Betonicine	515-25-3
Achlya ambisexualis	Plant sex hormone	Dehydrooogoniol	82251-59-0
<i>Achlya heterosexuales</i>	Plant sex hormone	Oogoniol 2	55708-29-7
<i>Achlya heterosexuales</i>	Plant sex hormone	Oogoniol 3	55708-30-0
<i>Achlya heterosexuales</i>	Plant sex hormone	Oogoniol 1	55708-28-6
<i>Acholeplasma laidlawii</i>	HIV growth stimulator	Diacylglycerol 6-acyl- α -kojibiosides	
<i>Acholeplasma laidlawii</i> membranes		Diglycosyl diacylglycerol synthase	168680-19-1
Achromobacter		3-Carboxyethylcatechol 2,3-dioxygenase	105503-63-7
<i>Achromobacter lyticus</i>	Antitumor	<i>Achromobacter lyticus</i> Polysaccharide	
<i>Achromobacter spherines</i>	fungicidal	Ethoxyacetic acid	627-03-2
<i>Achromobacter xerosis</i>	Antiinflammatory	Xerosin	1394-04-3
<i>Achyranthes aspera</i>	Antifungal	17-Pentatriacontanol	142621-24-7
<i>Achyranthes aspera</i>	Vasodilator	Achyranthine	
<i>Achyranthes aspera</i>	Diuretic	Achyranthine	
<i>Achyranthes aspera</i>	Purgative	Achyranthine	
<i>Achyranthes aspera</i>	Antihypertensive	Achyranthine	
<i>Achyranthes fauriei</i> , <i>Achyranthes bidentata</i> . fern Woodwardia orientalis	Analgesic	(25R)-Inokosterone	19682-38-3
<i>Achyranthes fauriei</i> , <i>Achyranthes bidentata</i> . fern Woodwardia orientalis	Potent insect moulting hormone	(25R)-Inokosterone	19682-38-3
<i>Aciculites orientalis</i>	Antifungal	Aciculitin	
<i>Aciculites orientalis</i>	Antifungal, Cytotoxic	Aciculitin	
acid fermentation of <i>Aspergillus niger</i>	Triose phosphate isomerase inhibitor	Mono-2-propenyl phosphate	25022-72-4
acidified gill extract of American oyster <i>Crassostrea virginica</i>	Antimicrobial	American oyster defensin	
Acinetobacter	Catalyses the reaction of	Cyclohexane-1,2-diol dehydrogenase	62628-27-7
Acinetobacter	Catalyses the reaction of 6-hydroxyhexanoate (see 6-Hydroxyhexanoic acid	6-Hydroxyhexanoate dehydrogenase	77000-03-4
Acinetobacter baumannii ATCC 19606, Acinetobacter haemolyticus	Siderophore	Acinetobactin	160472-93-5
Acinetobacter haemolyticus	Siderophore	Acinetoferrin	156737-07-4
<i>Acinetobacter johnsonii</i>	Catalyses the reaction of 2,4-Pentanedione	Acetylacetone-cleaving enzyme	

Acinetobacter sp.	Catalyses the reaction of 2-Hydroxycyclohexanone	2-Hydroxycyclohexanone 2-monooxygenase	62628-31-3
Acinetobacter,, Simmondsia chinensis (jojoba)	Catalyses the reaction of a long-chain-acyl-CoA with a long-chain alcohol to give CoA, a wax-like long-chain ester	Long-chain-alcohol O-fatty-acyltransferase	64060-40-8
Acinetobacter, bacteria	Catalyses the reaction of Cyclohexanone	Cyclohexanone monooxygenase	52037-90-8
Acnistus arborescens	Antineoplastic	Withacnistin	21902-99-8
Acokanthera longiflora	Antineoplastic	Acolongifloroside H	11027-58-0
Acokanthera friesiorum	Antineoplastic	Acolongifloroside K	6251-64-5
Acokanthera oubaio	Antiarrhythmic	Ouabain	630-60-4
Acokanthera abyssinica,	Cardiotonic	Acocantherin	630-60-4
Acokanthera friesiorum	Natriuretic	g-Strophanthin	630-60-4
Acokanthera schimperi	Vasoconstrictor	g-Strophanthoside	630-60-4
Strophanthus glaber	Hypertensive	Ouabain	630-60-4
Putative endogenous adrenal cortex	Na/K ATPase inhibitor	Acocantherin	630-60-4
Acokanthera oppositifolia	Antineoplastic	Acobioside A	31153-57-8
Acokanthera spp.	Antineoplastic	Acovenoside A	663-95-6
Acokanthera venenata	Antineoplastic	Acovenoside B	32062-05-8
Aconitum cochleare, Delphinium linearilobum	Antioxidant	Cochlearenine	914475-10-8
Aconitum delavayi	Anaesthetic	Delavaconitine	1356-52-1
Aconitum finetianum (Ranunculaceae)	Effective Analgesic	N-Deacetylranaconitine	82872-80-8
Acroptilon repens, Daucus carota (carrot)	Used as a rubber vulcanisation accelerator	N-Phenyl-2-naphthylamine	135-88-6
Eichhornia crassipes	Inhibits polymerization of conjugated dienes	2-Anilinonaphthalene	135-88-6
Aconitum koreanum (Ranunculaceae)	antiarrhythmic	Guan-fu base A	1394-48-5
Aconitum soongoricum	Gastric anaesthetic	Aconine	509-20-6
hydrolysis of Aconitine	Febrifuge	Jesaconine	509-20-6
Fruit of Lycium chinense (Chinese boxthorn)	Hepatoprotectant	4-(2-Formyl-5-hydroxymethyl-1H-pyrrol-1-yl)butanoic acid	142629-55-8
Aconitum zeravschanicum (Ranunculaceae)	Antiarrhythmic, anaesthetic	Zeravschanisine	192705-33-2
Acorus calamus (sweet flag)	Anticonvulsant	Acoric acid	6/9/5956
Acorus calamus (sweet flag)	Inhibits chloramphenicol acyltransferase	Acorenone	5/8/5956
Libanotis transcaucasica, carrot (Daucus carota)	Multidrug resistance (MDR) inhibitory on bacteria	Acorenone	5/8/5956
Acorus gramineus	Algicide	2-(3,4-Dimethoxyphenyl)-3-methyloxirane	124878-07-5
Java plum blossom (Eugenia jambolana)	Antiproliferative	Methylxanthoxilin	23121-32-6
Acremonium butyri	Antifungal	Orbuticin	151379-39-4
Acremonium chrysogenum	Facilitator of long-chain fatty acids through mitochondrial membranes	Levocarnitine	541-15-1
Cephalosporium chrysogenum	Regulator of blood lipid levels	Carnitine (R)-form	541-15-1

Striated muscle, liver, whey	Used in sport, infant nutrition	Levocarnitine	541-15-1
Cotyledons of pea (<i>Pisum sativum</i>)	Used as drg to increase cardiac output, improve myocardial function	Carnitine (R)-form	541-15-1
Mushroom <i>Suillus laricinus</i> .	Used as drug after haemodialysis	Levocarnitine	541-15-1
<i>Acremonium chrysogenum</i>	Used to treat primary carnitine deficiency	Carnitine (R)-form	541-15-1
<i>Cephalosporium chrysogenum</i>	Anticholesterolemic	Levocarnitine	541-15-1
Striated muscle, liver, whey	Antihyperlipidemic	Carnitine (R)-form	541-15-1
<i>Acremonium chrysogenum</i>	Anti-Staphylococcus spp.	Antibiotic RIT 2214	56448-19-2
<i>Acremonium chrysogenum</i>	Anti-Bacillus spp.	Antibiotic RIT 2214	56448-19-2
<i>Acremonium chrysogenum</i> in presence of Carboxymethylcysteine	Anti-Shigella spp.	Antibiotic RIT 2214	56448-19-2
<i>Acremonium chrysogenum</i>	Anti-Pseudomonas spp.	Antibiotic RIT 2214	56448-19-2
<i>Acremonium chrysogenum</i>	Anti-Klebsiella spp.	Antibiotic RIT 2214	56448-19-2
<i>Acremonium fusigerum</i> QN5320	Gene expression enhancing	Phoenistatin	
<i>Acremonium fusigerum</i> QN5320	Cytostatic	Phoenistatin	
<i>Acremonium kiliense</i> Grütz TC 1703	IL-4 signal transduction inhibitor	Antibiotic TMC 260	
<i>Acremonium luzulae</i> (<i>Oospora virescens</i>)	Cytotoxic to sea urchin eggs	Virescenoside A	28251-73-2
<i>Sea cucumber Eupentacta fraudatrix</i>	Anti-Ehrlich carcinoma cells	Virescenoside A	28251-73-2
<i>Acremonium murorum</i>	Inhibitor of membrane-bound neutral sphingomyelinase	4-(2,5-Dihydroxyphenyl)-2-methyl-3-buten-2-ol	
<i>Acremonium murorum</i>	Inhibitor of membrane-bound neutral sphingomyelinase	Antibiotic F 11334B ₂	
<i>Acremonium roseum</i>	Plant growth regulator	Acremoauxin B	138111-07-6
<i>Acremonium roseum</i>	Plant growth regulator	Acremoauxin A	125537-93-1
<i>Acremonium roseum</i> I4267	Herbicide	Acremolactone A	191163-92-5
<i>Acremonium roseum</i> I4267	Phytotoxin	Acremolactone B	850723-60-3
<i>Acremonium</i> sp.	Antioxidant	Acremonin A	
<i>Acremonium</i> sp.	Antitumor	Heptelidic acid chlorohydrin	
<i>Acremonium</i> sp.	Cell-death inducer in rice	Zwitterionic glycosphingolipid 2	
<i>Acremonium</i> sp.	Induces cell-death in rice	Zwitterionic glycosphingolipid 1	
<i>Acremonium</i> sp.	Inhibitor of cholesteryl ester transfer protein	Beauveriolide I	
<i>Acremonium</i> sp.	Neurokinin receptor inhibitor	Antibiotic Sch 66878	
<i>Acremonium</i> sp.	Neurokinin receptor inhibitor	Antibiotic Sch 64879	203061-32-9
<i>Acremonium</i> sp. (Sank11894)	Sphingomyelinase inhibitor	2-(3-Hydroxy-3-methyl-1-butenyl)-1,4-benzoquinone	177345-01-6
<i>Acremonium</i> sp. (Sank11894)	Antidiabetic	2-(3-Hydroxy-3-methyl-1-butenyl)-1,4-benzoquinone	177345-01-6
<i>Acremonium</i> sp. (Sank11894)	Antiosteoporotic	2-(3-Hydroxy-3-methyl-1-butenyl)-1,4-benzoquinone	177345-01-6
<i>Acremonium</i> sp. AB 2093T-194	Endothelin receptor antagonist	Aselacin C	156223-08-4
<i>Acremonium</i> sp. AB 2093T-194	Endothelin receptor antagonist	Aselacin B	156223-07-3

Acremonium sp. AB 2093T-194	Endothelin receptor antagonist	Aselacin A	156223-06-2
Acremonium sp., Gliocladium roseum	Neurokinin receptor inhibitor	Antibiotic Sch 60057	203061-35-2
Acremonium sp. AWA16-1	Cytotoxic	Awajanoran (–)-form	
Acremonium sp. AWA16-1	Cytotoxic	Awajanomycin	913260-20-5
Acremonium sp. BX86, Tolypocladium geodes	Inhibitor of gelatinase A	Pyridoxatin	135529-30-5
Acremonium sp. BX86, Tolypocladium geodes	Cytotoxic	Pyridoxatin	135529-30-5
Acremonium sp. BX86, Tolypocladium geodes	Free radical scavenger	Pyridoxatin	135529-30-5
Acremonium sp. FL-17559	Antiinflammatory	Antibiotic TAN 1515	147795-68-4
Acremonium sp. HKI 0230	Antibiotic moderately	Spirobenzofuran	
Acremonium sp. KY12702	Neuritogenic	Antibiotic PS 990	158792-23-5
Acremonium sp. KY4917	Telomerase inhibitor	Antibiotic UCS 1025A	209126-31-8
Acremonium sp. KY4917	Antibacterial	Antibiotic UCS 1025A	209126-31-8
Acremonium sp. KY4917	Antitumor	Antibiotic UCS 1025A	209126-31-8
Acremonium sp. MT 0646	Heparinase inhibitor	Antibiotic CRM 646B	265987-81-3
Acremonium sp. MT 0646	Heparinase inhibitor	Antibiotic CRM 646A	265987-80-2
Acremonium sp. NF02411	Antitumor	Antibiotic NF 02411	
Acremonium sp. No. 27082	Immunosuppressant	Antibiotic FR 235222	
Acremonium sp. No. 27082	Mammalian histone deacetylase inhibitor	Antibiotic FR 235222	
Acremonium sp. strain HA33-95	Differentiation inducer of mammalian cells	Thiacremonone	96504-28-8
Acremonium sp. strain LL-Cyan 416	Antibacterial	Acremonidin B	
Acremonium sp.	Antibacterial	Acremonidin A	
Acremonium sp. TF-0356	Neuritogenic	Antibiotic NGA 0187	
Tunicate Ecteinascidia turbinata	Antiinflammatory	Oxepinamide A	
Acremonium strictum	GABA-benzodiazepine receptor binding inhibitor	Xenovulene A	157842-16-5
Acremonium-like fungus, a marine-derived Gliocladium sp.	Cytotoxic	Acremonol 4-Ketoclonostrydiol	
Acrocinus longimanus	Antifungals		
Acrocomia mexicana	Hypoglycaemic (nat. production)	Coyolosa	
Acrodontium salmoneum	Antifungal	Acrodontiolamide	152053-09-3
Acronychia baueri (Bauerella baueri), Melicope leptococca, Sarcomelicope argyrophylla	Antineoplastic	Acronycine	7008-42-6
Acronychia muelleri, isomerisation of (+)-Sesamin	Antitubercular	(+)-Asarinin	133-03-9
Acronychia pedunculata	COX-2 inhibitor	Acrovestenol	
Acronychia porteri	Cytotoxic	3,5-Dihydroxy-3',4',6,7,8-pentamethoxyflavone	158437-63-9
Acronychia trifoliata	Antitumor	Acrofolione B	820975-62-0
Acronychia trifoliolata	Antitumor	Acrofolione A	820975-61-9
Acronychia vestita, Acronychia pedunculata, of Acronychia laurifolia	Cytotoxic	Acrovestone	24177-16-0

Acronychia vestita, Acronychia pedunculata, of Acronychia laurifolia	Insecticidal	Acrovestone	24177-16-0
Acrophialophora limonisporea nov. sp.	Antifungal	Antibiotic S 31794F-1	61991-02-4
Acroptilon repens	Phytotoxin	Benzo[h]flavone	604-59-1
AcrospERMum viticola	Phytotoxin	1,2-Dimethoxy-3 <i>H</i> -phenoxazin-3-one	112899-85-1
AcrospERMum viticola	Phytotoxin	AV toxin E	112899-86-2
AcrospERMum viticola	Aromatase inhibitor	Questiomycin A	1916-59-2
Brevibacterium iodinum	Sulfatase inhibitor	AV toxin C	1916-59-2
Calocybe gambosa (St George's mushroom)	Anti-gram-positive bacteria	2-Amino-3 <i>H</i> -phenoxazin-3-one	1916-59-2
Microbispora aerata	Anti-mycobacteria	Questiomycin A	1916-59-2
Pycnoporus sp.	Candida albicans inhibitor	AV toxin C	1916-59-2
Waksmania sp.	Antitumor	2-Amino-3 <i>H</i> -phenoxazin-3-one	1916-59-2
mushroom Lepiota americana	Phytotoxin	Questiomycin A	1916-59-2
Acrostalagmus cinnabarinus var. melinacidicus	Antibacterial	Melinacidin	12687-83-1
Marine-derived Corollospora pulchella	Biological similar to Melanicidin II	Melinacidin IV	37934-52-4
Acrostalagmus cinnabarinus var. melinacidinus	Antibacterial	Melinacidin II	12794-85-3
Verticillium tererum	Antitumor	Melinacidin II	12794-85-3
Verticillium tererum	Toxic highly	Melinacidin II	12794-85-3
Marine-derived Corollospora pulchella	Biological similar to Melinacidin II	Melinacidin III	12794-84-2
Oidiodendron truncatum	Antifungal	Antibiotic LL-Z 1271a	23660-12-0
Holwaya mucida	Plant growth regulator	Antibiotic PR 1387	23660-12-0
Acrostalagmus sp., Holwaya mucida	Antifungal	Oidiolactone B	23660-06-2
<i>Actaea racemosa</i> (black cohosh)	Antioxidant	Actaealactone	
<i>Actaea racemosa</i> (Cimicifuga racemosa)	Antihypertensive	Actein	18642-44-9
<i>Actinia cari</i>	high haemolytic	Caritoxins	
<i>Actinia cari</i>	high haemolytic	<i>Actinia cari</i> Toxins	
<i>Actinia equina</i>	Neurotoxin	Acrorhagin	
<i>Actinia equina</i>	Neurotoxins	Equinatoxins	54578-46-0
<i>Actinia equina</i>	Antitumor	Equinatoxins	54578-46-0
<i>Actinia equina</i>	Toxin; lethal to crabs	Toxin Ae 1	
Brain tissue. Polyporus sulphureus	Biosynthetic intermediate in synthesis of Carnitine	Actinine	407-64-7
<i>Actinia tenebrosa</i>	Cardiac stimulator	Tenebrosins	
<i>Actinidia deliciosa</i> cv. Golden King (kiwi fruit)	Phytoalexin	Actinidic acid	341971-45-7
<i>Actinidia polygama</i>	Attractant for <i>Chrysopa</i> spp.	Isonematatabiol	34258-02-1
<i>Actinidia polygama</i>	Attractive to cats	Neonepetalactone	24190-25-8
<i>Actinidia polygama</i>	Attractive to cats, male adult lacewings	Dehydroiridodiol	76792-78-4
<i>Actinidia polygama</i>	Potent attractant for male adult seven-spot ladybirds <i>Chrysopa</i> . spp.	Neomatatabiol	21699-53-6

Actinidia polygama	Physiological towards the cat family (Felidae)	5,6,7,7 α -Tetrahydro-4,4,7 α -trimethyl-2(4H)-benzofuranone (S)	17092-92-1
Actinidia polygama, Nepeta cataria (catnip)	Attractive to cats	Isodihydronepetalactone	17672-96-7
Actinidia polygama, Nepeta cataria (catnip)	Attractive to cats	Dihydronepetalactone	17672-81-0
Actinobacillus actinomycetecomitans Y4	Bacteriocin	Actinobacillin	107666-25-1
Actinodaphne longifolia, Lindera obtusiloba	Cytotoxic	Actifolin	120931-63-7
Actinomadura albolutea	Antiviral	Antibiotic SF 2140	91284-30-9
Actinomadura albolutea	Antibacterial weak, but broad	Antibiotic SF 2140	91284-30-9
Actinomadura atramentaria SANK 61488	Collagenase inhibitor	Matlystatin F	140638-25-1
Actinomadura atramentaria SANK 61488	Collagenase inhibitor	Matlystatin E	140638-26-2
Actinomadura atramentaria SANK 61488	Collagenase inhibitor	Matlystatin D	140667-42-1
Actinomadura atramentaria SANK 61488	Collagenase inhibitor	Matlystatin A ₂	140626-95-5
Actinomadura atramentaria SANK 61488	Collagenase inhibitor	Matlystatin A ₁	140626-94-4
Actinomadura atramentaria SANK 61488	Metalloproteinase inhibitor	Matlystatin A ₁	140626-94-4
Actinomadura atramentaria SANK 61488	Gelatinase inhibitor	Matlystatin A ₁	140626-94-4
Actinomadura atramentaria SANK 61488	Antimetastatic	Matlystatin A ₁	140626-94-4
Actinomadura azurea	Gram-positive bacteria inhibitor	Cationomycin	80394-65-6
Actinomadura azurea	Mycobacteria inhibitor	Cationomycin	80394-65-6
Actinomadura azurea	Coccidiostat	Cationomycin	80394-65-6
Actinomadura brunnea	Gram-negative, -positive bacteria inhibitor	8-Methoxychlorotetracycline	110298-63-0
Actinomadura brunnea	Anti-gram-positive bacteria mainly	8-Methoxy- <i>N</i> -methylchlorotetracycline	110298-65-2
Actinomadura carminata	Antitumor	Carminomycin III	50935-06-3
Actinomadura carminata	inhibits gram-positive bacteria	Carminomycin III	50935-06-3
Actinomadura carminata	Antitumor	Rubeomycin A	50935-05-2
Actinomadura carminata	Inhibits gram-positive bacteria	Carminomycin II	50935-05-2
Actinomadura carminata, Streptosporangium spp. (as Figaroic acid)	Antineoplastic	Carminomycin I	50935-04-1
Actinomadura carminata	Anti-gram-positive bacteria	Carubicin	50935-04-1
Streptosporangium spp.	Anti-protozoa	Figaroic acid	50935-04-1
Actinomadura carminata	Yeasts inhibitor	Carminomycin I	50935-04-1
Streptosporangium spp.	Anti-sarcoma 180	Carubicin	50935-04-1
Actinomadura carminata	Anti-carcinomas	Figaroic acid	50935-04-1
Actinomadura crema	Gram-positive bacteria inhibitor	Antibiotic SF 2002	70248-85-0
Actinomadura crema	Mycoplasma inhibitor	Antibiotic SF 2002	70248-85-0
Actinomadura crema rifamycini	Mycobacteria inhibitor	Rifamycin O	14487-05-9
Actinomadura crema sp. MH775-CF2	Antitumor	Antibiotic MN 775-CF2	
Actinomadura fibrosa	Anticoccidial	Antibiotic CP 84657	
Actinomadura sp. (ATCC 53708)	Anti-gram-positive bacteria	Antibiotic A 82810	
Actinomadura flava	Gram-positive organism inhibitor	Madumycin I	58678-44-7

Actinomadura fulvescens	Antimicrobial	Antibiotic 3321	125856-50-0
Actinomadura helvata var. Aantibiotica	Gram-positive bacteria inhibitor	Antibiotic AB 97	68652-25-5
Actinomadura hibisca	α -Glucosidase inhibitor	Benanomycin C	129051-64-5
Actinomadura hibisca	Antifungal	Pradimicin E	127985-27-7
Actinomadura hibisca	Antifungal	Pradimicin D	128162-62-9
Actinomadura hibisca	Antifungal	Pradimicin B	117704-66-2
Actinomadura hibisca	Apoptosis inducer	Pradimicin B	117704-66-2
Actinomadura hibisca	Antifungal	Pradimicin A	117704-65-1
Actinomadura hibisca	Anti-HIV	N-Methylbenanomycin B	117704-65-1
Actinomadura hibisca	Apoptosis inducer	Antibiotic BU 3608	117704-65-1
Actinomadura hibisca with D-serine	Antifungal	Pradimicin FA 2	131443-10-2
Actinomadura hibisca with D-serine	Antifungal		131426-58-9
Actinomadura kijaniata	Gram-positive bacteria inhibitor	Kijanimicin	78798-08-0
Actinomadura kijaniata	Antifungi	Antibiotic Sch 25663	78798-08-0
Actinomadura luzonensis	Gram-positive bacteria inhibitor	Luzopeptin B	76149-24-1
Actinomadura luzonensis	Antitumor	Luzopeptin A	75580-37-9
Actinomadura luzonensis	Cytotoxic	Antibiotic BBM 928B	76149-24-1
Actinomadura luzonensis	HIV-1 reverse transcriptase inhibitor	Luzopeptin A	75580-37-9
Actinomadura luzonensis	Gram-positive bacteria inhibitor	Luzopeptin C	76110-01-5
Actinomadura luzonensis	Cytotoxic	BBM 928C	76110-01-5
Actinomadura luzonensis	HIV-1 reverse transcriptase inhibitor	Antibiotic BBM 928C	76110-01-5
Actinomadura luzonensis	Antibacterial	Luzopeptin F	76168-86-0
Actinomadura luzonensis ATCC31491	Gram-negative, -positive bacteria inhibitor	Luzopeptin E ₂	93079-89-1
Actinomadura luzonensis ATCC31491	Gram-positive bacteria inhibitor	Luzopeptin D	76168-84-8
Actinomadura luzonensis ATCC31491	Leukaemia cell inhibitor	Antibiotic BBM 928D	76168-84-8
Actinomadura macra	Gram-positive bacteria inhibitor	Antibiotic CP 47434	74758-61-5
Actinomadura macra	<i>Staphylococcus aureus</i> inhibitor	Antibiotic CP 47434	74758-61-5
Actinomadura macra	Antiparasitics	Antibiotic CT	
Actinomadura macra ATCC31286	Gram-positive bacteria inhibitor	Antibiotic CP 47433	74758-62-6
Actinomadura macra ATCC31286	Anticoccidial	Antibiotic CP 47433	74758-62-6
Actinomadura madura ssp. simaoensis	Anticoccidial	Simaomicin b	100111-39-5
Actinomadura madura ssp. Simaoensis	Anticoccidial	Simaomicin a	100157-22-0
Actinomadura madurae	Gram-positive bacteria inhibitor	Methylcyclooctylprodigiosin	52589-16-9
Actinomadura madurae	Neuronal cell protectant	Carbazomadurin B	197703-38-1
Actinomadura madurae	Neuronal cell protectant	Carbazomadurin A	197703-37-0
Actinomadura madurae	Siderophore	Maduraferrin	118771-19-0
Actinomadura madurae (Nocardia madurae)	Anti-Staphylococcus aureus	Nonylprodigiosin	34852-35-2
Actinomadura madurae (Nocardia madurae)	Anti-fungi	Nonylprodigiosin	34852-35-2
Actinomadura madurae (Nocardia madurae)	Anti-protozoa	Nonylprodigiosin	34852-35-2
Actinomadura madurae	Cytotoxic	Antibiotic BMY 42428	140879-94-3

Actinomadura madurae	Anti-gram-positive bacteria	Antibiotic BMY 42428	140879-94-3
Actinomadura madurae	Antibacterial	Madurastatin B1	768384-51-6
Actinomadura madurae	Siderophore	Madurastatin A3	768384-50-5
Actinomadura madurae	Siderophore	Madurastatin A2	768384-49-2
Actinomadura madurae	Siderophore	Madurastatin A1	768384-48-1
Actinomadura madurae	Antibacterial	Madurastatin A1	768384-48-1
Actinomadura madurae sp. ATCC53806	Antitumor	Antibiotic BMY 46164	148263-63-2
Actinomadura melliaura	Antibacterial	Antibiotic AT 2433	
Actinomadura fulva	Antineoplastic	Antibiotic AT 2433	
Actinomadura parvosata	Gram-positive bacteria inhibitor	Parvodicin	
Actinomadura pelletieri	Gram-positive bacteria inhibitor	Ethylcyclononylprodigiosin	52589-17-0
Actinomadura pelletieri	Antiviral	Antibiotic MM 46115	132054-37-6
Actinomadura pelletieri (Nocardia pelletieri)	Anti-Staphylococcus aureus	Methylcyclodecylprodigiosin	34852-33-0
Actinomadura pelletieri (Nocardia pelletieri)	Anti-fungi	Methylcyclodecylprodigiosin	34852-33-0
Actinomadura pelletieri (Nocardia pelletieri)	Anti-protozoa	Methylcyclodecylprodigiosin	34852-33-0
Actinomadura pulveracea	Gram-negative, -positive bacteria inhibitor	Esperamicin; Esperamicin A _{1b}	88895-06-1
Actinomadura verrucosospora	Antitumor	Antibiotic WS 6049A	88895-06-1
Actinomadura verrucosospora	Antifungi some	Antibiotic FR 900405	88895-06-1
Actinomadura pusilla	Gram-positive bacteria inhibitor	Actinotiocin	39454-49-4
Actinomadura pusilla	Mycobacteria inhibitor	Actinotiocin	39454-49-4
Actinomadura roseorufa	Animal feed supplement	Semduramicin	113378-31-7
Actinomadura roseorufa	Coccidial diseases prevention in fowl	Semduramicin	113378-31-7
Actinomadura roseorufa	Anticoccidial	Antibiotic CP 70228	101621-31-2
Actinomadura roseorufa	Anticoccidial	Antibiotic CP 70828	101621-30-1
Actinomadura roseorufa	Coccidiostat	Antibiotic CP 120509	
Actinomadura roseoviolacea	Anti-gram-positive bacteria	Antibiotic AB 64	50863-62-2
Actinomadura roseoviolacea	Antitumor	N-Formyl-13-dihydrocarminomycin I	76634-96-3
Actinomadura roseoviolacea	Antitumor	Antibiotic R 20Y7	110685-36-4
Actinomadura roseoviolacea	Immunostimulant	Formestin C	123430-88-6
Actinomadura roseoviolacea	Immunostimulant	Formestin D	123430-89-7
Actinomadura roseoviolacea	Immunostimulant	Formestin B	123430-87-5
Actinomadura roseoviolacea	Immunostimulant	Formestin A	123430-86-4
Streptomyces coeruleorubidus	Gram-positive bacteria inhibitor	Akrobomycin	89156-94-5
Actinomadura roseoviolacea	Antitumor	9,10-Anhydro-13-deoxocarminomycin	89156-94-5
Streptomyces coeruleorubidus	Trichophyton mentagrophytes inhibitor	Rubomycin Q ₁	89156-94-5
Actinomadura roseoviolacea biwakoensis	Antitumor	Rubeomycin B ₁	78366-45-7
Actinomadura roseoviolacea biwakoensis	inhibits gram-positive bacteria	Antibiotic FA 1180B ₁	78366-45-7
Actinomadura roseoviolacea ssp. miuraensis	Gram-positive bacteria inhibitor	Antibiotic SN 706	114511-93-2

Actinomadura roseoviolacea ssp. miuraensis	Antitumor	Antibiotic SN 706	114511-93-2
Actinomadura roseoviolacea var. biwakoensis	Gram-positive bacteria inhibitor	Rubeomycin B	78366-46-8
Actinomadura roseoviolacea var. biwakoensis	Yoshida sarcoma cell inhibitor	Rubeomycin B	78366-46-8
Actinomadura roseoviolacea var. biwakoensis	antileukaemic	4-Hydroxybaumycinol A ₁	78919-31-0
Actinomadura roseoviolacea var. biwakoensis	antileukaemic	Rubeomycin B ₁	78962-31-9
Actinomadura roseoviolacea var. miuraensis	Antitumor	Barminomycin I	108147-17-7
Actinomadura sp. MG 463-yF4	inhibits gram-positive bacteria	Antibiotic SN 07 chromophore	108147-17-7
Actinomadura roseviolaceae	Antitumor	Antibiotic R 20X4	122044-01-3
Actinomadura routienii	Ionophore	Antibiotic CP 54883	112396-63-1
Actinomadura routienii	Anti-gram-positive bacteria	Antibiotic CP 54883	112396-63-1
Actinomadura routienii	Anti-Eimeria coccidia	Antibiotic CP 54883	112396-63-1
Actinomadura rugatobispora	Cell adhesion inhibitor	Antibiotic AI 096	204570-86-5
Actinomadura rugatobispora	Cell adhesion inhibitor	Antibiotic AI 090	204570-85-4
Actinomadura rugatobispora	Antiinflammatory	Antibiotic AI 096	204570-86-5
Actinomadura rugatobispora	Antiinflammatory	Antibiotic AI 090	204570-85-4
Actinomadura sp.	Gram-negative, -positive bacteria inhibitor	Antibiotic XK 210	83855-41-8
Actinomadura sp.	KB cell inhibitor	Antibiotic XK 210	83855-41-8
Actinomadura sp.	Gram-positive bacteria inhibitor	Antibiotic DF 4466B	79748-24-6
Actinomadura sp.	Gram-positive bacteria inhibitor	Antibiotic DF 4466A	79748-23-5
Actinomadura sp.	Antitumor	Antibiotic DF 4466B	79748-24-6
Actinomadura sp.	Antitumor	Antibiotic DF 4466A	79748-23-5
Actinomadura sp.	Anticoccidial	Septamycin; 27S-Methoxy	125131-53-5
Actinomadura sp.	Antifungal		151284-51-4
Actinomadura sp.	Antifungal	Antibiotic Sch 40873	120201-09-4
Actinomadura sp.	Antiviral	Fluvirucin A	
Actinomadura sp.	Cell adhesion inhibitor	Antibiotic TAN 2020	177191-46-7
Actinomadura sp.	Coccidiostat	Antibiotic CP 82996	127288-12-4
Actinomadura sp.	Cytotoxic	Antibiotic IB 00208	
Actinomadura sp.	Inhibits <i>Mycoplasma gallisepticum</i>	Hugamycin	75433-07-7
Actinomadura sp.	Anti- <i>Acholeplasma laidlawii</i>	Hugamycin	75433-07-7
Actinomadura sp.	Cytotoxic	Antibiotic ZHD 0501	
Actinomadura sp.	Antimicrobial	Antibiotic SF 2392	108687-81-6
Actinomadura sp.	anticoccidial	Antibiotic SF 2392	108687-81-6
Actinomadura sp.	Inhibits angiotensin I converting enzyme	Antibiotic I5B; Antibiotic I5B2	93768-49-1
Actinomadura sp.	Hypotensive	Antibiotic I5B; Antibiotic I5B2	93768-49-1
Actinomadura sp.	Antibacterial	Antibiotic BE 45722A	196402-69-4
Actinomadura sp.	Antibacterial	Antibiotic BE 45722C	196402-71-8

Actinomadura sp.	Antibacterial	Antibiotic BE 45722B	196402-70-7
Bacillus sp. PP19-H3	Antiviral	Macrolactin A	122540-27-6
Bacillus sp. PP19-H3	Cytotoxic	Macrolactin A	122540-27-6
Bacillus sp. PP19-H3	Neuronal cell protectant	Macrolactin A	122540-27-6
Actinomadura sp.	Antitumor	AAC 345	
Actinomadura sp.	Coccidiastatic	27-Methoxy-20-methylseptamycin	142130-44-7
Actinomadura sp.	Antibacterial	27-Methoxy-20-methylseptamycin	142130-44-7
Actinomadura sp.	Antitumor	Hayumicin C ₁	176952-62-8
Actinomadura sp.	Antitumor	Hayumicin B	176952-61-7
Actinomadura sp.	Antitumor	Hayumicin A	176952-55-9
Actinomadura sp.	Antitumor	Antibiotic DC 92D	116988-29-5
Actinomadura sp.	Antitumor	Antibiotic DC 92B	116988-30-8
Halomonas sp.	Antibiotic	Chandrananimycin C	664355-11-7
Actinomadura sp.	Antitumor	Barminomycin II	108089-34-5
Actinomadura sp.	Inhibits gram-positive bacteria	Barminomycin IIr	108089-34-5
Actinomadura sp.	Gram-positive bacteria inhibitor	Kijimicin	129297-22-9
Actinomadura sp.	Anti-HIV	Kijimicin	129297-22-9
Actinomadura sp.	Gram-positive bacteria inhibitor	Decatromicin B	
Actinomadura sp.	Gram-positive bacteria inhibitor	Decatromicin A	
Actinomadura sp.	Anti-MRSA bacteria	Decatromicin B	
Actinomadura sp.	Anti-MRSA bacteria	Decatromicin A	
Actinomadura sp.	Phospholipase A2 inhibitor	Antibiotic Q 6916-Ox-Z	
Actinomadura sp.	Phospholipase A2 inhibitor	Antibiotic Q 6916Z	
Roots of Prunus armeniaca (apricot)	Antihepatotoxic	[3-(1-Hexenyl)-ONN-azoxy]-1,2-butanediol	131205-70-4
Actinomycete	Antiviral	2'-Amino-2'-deoxyadenosine	
Actinomadura sp.	Antineoplastic	9-(2-Amino-2-deoxy-β-D-ribofuranosyl)adenine	
Actinomadura sp.	antimycoplasmal	2'-Amino-2'-deoxyadenosine	
Actinomadura sp.	Antifungal	Antibiotic Sch 38512	
Actinomadura sp.	Antifungal	Antibiotic Sch 38511	
Actinomadura sp.	Dermatophytic fungi inhibitor	Oxanthromicin	90614-51-0
Actinomadura sp.	Candida albicans inhibitor	Oxanthromicin	90614-51-0
Actinomadura sp.	Staphylococcus aureus inhibitor	Oxanthromicin	90614-51-0
Actinomadura sp.	Antibacterial	Antibiotic SF 2288	95145-11-2
Actinomadura sp.	Antiviral	Antibiotic SF 2288	95145-11-2
Actinomadura sp.	Antibacterial	Antibiotic SF 2361	107231-22-1
Actinomadura sp.	Antitumor	Antibiotic SF 2695	130151-71-2
Actinomadura sp.	Anti-gram-positive bacteria	Antibiotic SF 2695	130151-71-2
Actinomadura sp.	Anti-mycoplasma	Antibiotic SF 2695	130151-71-2
Actinomadura sp.	Inhibitor of bacterial RNA polymerase	Antibiotic GE 23077B ₁	

Actinomadura sp.	Inhibitor of bacterial RNA polymerase	Antibiotic GE 23077A ₂	
Actinomadura sp.	Inhibitor of bacterial RNA polymerase	Antibiotic GE 23077A ₁	
Some aerobic bacteria in presence of purine	Antitumor	2-Amino-2'-deoxyadenosine	4546-70-7
Actinomadura spadix	Antifungi	Benanomicin A	116249-65-1
Actinomadura spadix	Antifungi	Benanomicin A	116249-65-1
Actinomadura spadix	Gram-positive bacteria inhibitor narrowly	Benanomicin A	116249-65-1
Actinomadura hibisca	Antifungi	Benanomicin B	116249-66-2
Actinomadura hibisca	Gram-positive bacteria inhibitor narrowly	Benanomicin B	116249-66-2
Actinomadura hibisca	Gram-positive bacteria inhibitor narrowly	Benanomicin B	116249-66-2
Actinomadura verrucospora-neohibisca	β -Glucuronidase inhibitor	7-Hydroxybenanomicinone	146288-38-2
Actinomadura verrucospora-neohibisca	Antiviral	Pradimicinone II	146288-38-2
Actinomadura verrucospora-neohibisca	Cytotoxic	7-Hydroxybenanomicinone	146288-38-2
Actinomadura spinosa	Antifungal	Pradimicin S	146446-02-8
Actinomadura spinosa using directed biosynthesis	Antifungal	Pradimicin FS	146446-03-9
Actinomadura spinosa	Antifungal	Pradimicin FB	131426-61-4
Actinomadura spiralis	Antibacterial	Pyralomycin 2b	139636-01-4
Actinomadura spiralis	Antibacterial	Pyralomycin 2c	139635-97-5
Actinomadura spiralis	Antibacterial	Pyralomycin 2a	139636-00-3
Actinomadura spiralis	Antibacterial	Pyralomycin 1b	139636-04-7
Actinomadura spiralis	Antibacterial	Pyralomycin 1c	139635-99-7
Actinomadura spiralis	Antibacterial	Pyralomycin 1d	139635-98-6
Actinomadura spiralis	Antibacterial	Pyralomycin 1a	139636-03-6
Actinomadura pulveracea	Antitumor	Antibiotic WS 26049B	121181-37-1
Actinomadura verrucosospora	Gram-positive bacteria inhibitor	N-Acetyl-4-hydroxybenzylamine	34185-04-1
Actinomadura verrucosospora	Antitumor	Esperamicin; Esperamicin A _{2c}	172923-81-8
Actinomadura verrucosospora	Potent Antitumor	Esperamicin; Esperamicin A ₂	99674-27-8
Actinomadura verrucosospora	Potent Antitumor	Esperamicin; Esperamicin A ₁	99674-26-7
Actinomadura verrucosospora	Gram-positive bacteria inhibitor	Antibiotic SF 2487	120157-25-7
Actinomadura verrucosospora	Antiviral	Antibiotic SF 2487	120157-25-7
Actinomadura verrucosospora	Anticoccidial	Antibiotic SF 2487	120157-25-7
Actinomadura verrucosospora	Growth promotor	Antibiotic SF 2487	120157-25-7
Actinomadura verrucosospora supsp. veractimyces	Gram-positive bacteria inhibitor	Veractamycin	
Actinomadura verrucosospora supsp. veractimyces	Antitumor	Veractamycin	
Actinomadura verrucosospora supsp. veractimyces	Yeasts inhibitor	Veractamycin	
Actinomadura verrucospora Q886-2	Antitumor	Verrucopeptin	138067-14-8
Actinomadura verrucospora ssp. neohibisca	Antifungal	Pradimicin L	142062-87-1
Actinomadura verrucospora ssp. Neohibisca	Antifungal	Pradimicin FL	144556-98-9

Actinomadura verrucospora-neohibisca	α -Glucosidase inhibitor	Pradimicin Q	141869-53-6
Actinomadura vulgaris spp. vulgaris	Antifungal	Antibiotic Sch 38518	137120-28-6
Actinomadura vulgaris ssp. lanata	Antifungal	Antibiotic Sch 38516	128563-23-5
Actinomadura vulgaris ssp. vulgaris	Antifungal	Antibiotic Sch 39185	137120-29-7
Nocardia sp. X-14868	anticoccidial	Antibiotic X 14868C	79331-53-6
Actinomadura yumaense, Nocardia sp. X-14868	Ionophoric	Antibiotic X 14868C	79331-53-6
Actinomadura yunnaense, Nocardia sp. X-14868	Anticoccidial	Maduramicin	79356-08-4
Actinomadura yunnaense, Nocardia sp. X-14868	Ionophoric	Maduramicin	79356-08-4
Actinomadura yunnaense, Nocardia sp. X-14868	Anticryptosporidial	Maduramicin	79356-08-4
Actinomadura yunnaense, Nocardia sp. X-14868	Anti-Treponema hyodysenteriae	Maduramicin	79356-08-4
Actinomyces A-30	Anti-certain gram-positive, -negative bacteria	Sulfactin	
Actinomyces tumemacerans	Antifungal	Albofungin	37895-35-5
Actinomyces tumemacerans	Antineoplastic	Kanchanomycin	37895-35-5
Streptomyces spp.	Antifungal	Chloroalbofungin	37891-66-0
Streptomyces spp.	Antineoplastic	Albofungin B	37891-66-0
Actinomyces ATCC 31286	Aantibiotic	Antibiotic 4743	69898-97-1
Actinomyces atroolivaceus var. mutomycini	Antiviral Aantibiotic	Mutomycin	
Actinomyces aureomonopodrales	Anti-mycobacteria	Minosaminomycin	51746-09-9
Actinomyces aureorectus 2843-10	Antifungal	Aurenin	34820-53-6
Actinomyces aureovorticillatus	Gram-positive bacteria inhibitor	Vitamycin A	22373-48-4
Actinomyces bulgaricus	Anti-yeasts	Cryptomycin	37370-63-1
Actinomyces bulgaricus	Anti-fungi	Antibiotic LIA 0179	37370-63-1
Streptomyces ambofaciens	Antineoplastic	Azotomycin	7644-67-9
Actinomyces cremeus	Gram-negative, -positive bacteria inhibitor	Cremeomycin	11050-22-9
Actinomyces cremeus	Antifungi	Cremeomycin	11050-22-9
Actinomyces cremeus	Cytotoxic	Cremeomycin	11050-22-9
Actinomyces DB-179-10	immune-regulating	Antibiotic TAN 2451	
Actinomyces flavovirides	Alkaline phosphatase inhibitor	Forphenicine (S)	57784-96-0
Actinomyces fulvoviolaceus	Antifungi	Flavumycin A	60382-91-4
Actinomyces fulvoviolaceus	Yeasts inhibitor	Flavumycin A	60382-91-4
Actinomyces hygroscopicus	Antifungal	Pentacidin	56093-99-3
Actinomyces hygroscopicus	Aantibiotic	Pentacidin	56093-99-3
Actinomyces levoris	Antifungi	Levorin B	
Actinomyces levoris	Yeasts inhibitor	Levorin B	
Actinomyces longispori	Anti-mycobacteria	Longisporin	
Actinomyces longispori	Potent Azobacter chroococcumistic antagonist	Longisporin	
Actinomyces naeslundii G10	Antifungal	Antibiotic G 10	

Actinomyces odontolyticus human dental plaque	Bacteriocin	Odontolyticin	
Actinomyces olivovariabilis	Anti-gram-positive bacteria	Variacyclomycin A	53322-89-7
Actinomyces olivovariabilis	Antitumor	Variamycin	12677-11-1
Actinomyces plumbeus	Anti-yeasts	Plumbomycin B	37199-60-3
Actinomyces plumbeus	Anti-yeasts	Plumbomycin A	37199-59-0
Actinomyces rectilavendulae var. pentaenicus	Antifungi	Rectilavendomycin	56092-88-7
Actinomyces rectilavendulae var. pentaenicus	Yeasts inhibitor	Rectilavendomycin	56092-88-7
Actinomyces rectus bruneus	Antineoplastic	7-Methoxyreumycin	51590-95-5
Actinomyces rectus bruneus	Antineoplastic	Reumycin	5016-18-2
Actinomyces roseoviolaceus	Gram-negative, -positive bacteria inhibitor	Roseorubicin A	70559-00-1
Streptomyces purpurascens	Gram-negative, -positive bacteria inhibitor	Roseorubicin B	70559-01-2
Actinomyces sp.	Gram-negative, -positive bacteria inhibitor	Antibiotic I 11	75036-98-5
Actinomyces sp.	<i>E. coli inhibitor at T2 DNA phag</i>	Antibiotic I 11	75036-98-5
Actinomyces sp.	Antibiotic	Musarin	
Actinomyces sp.	Potent Antifungal	Musarin	
Actinomyces sp.	Antimicrobial	BU 271	
Actinomyces sp.	Cytotoxic	Lagunapyrone C	175448-23-4
Actinomyces sp.	Cytotoxic	Lagunapyrone B	175448-22-3
Actinomyces sp.	Cytotoxic	Lagunapyrone A	175448-21-2
Actinomyces sp.	Reverse transcriptase inhibitor specifically	Chromostin	96725-80-3
Cetonia aureata	Cytotoxic	Cetoniacytone A	
Streptomyces sp. ML55	Nuclear export inhibitor	5-Demethoxy IT 143B	
Microbispora sp., Nocardia sp.	Anti-pathogenic yeasts	Antibiotic L 660631	115216-83-6
Streptoverticillium hiroshimense	Antifungi	Antibiotic L 660631 (1'R,4S,5R)	115216-83-6
Actinomyces spp.	Gram-positive bacteria inhibitor	Aklavine	60504-57-6
Actinomyces spp.	Antineoplastic	Aclacinomycin T	60504-57-6
Actinomyces spp.	Growth factor	Ferrioxamine F	
Actinomyces spp.	Growth factor	Ferrioxamine C	
Actinomyces spp.	Growth factor, iron transport	Ferrioxamine G	29825-05-6
Actinomyces spp.	Growth factor important in iron transport	Ferrioxamine E	20008-20-2
Tedania anhelans. leaves of Allophylus cobbe	Plant growth regulator	Benzeneacetamide	103-81-1
Actinomyces strain A 10	Broad spectrum Aantibiotic	Lavendulin	
Actinomyces strain A105	Gram-positive bacteria inhibitor	Actinorubin	1397-79-1
Actinomyces strain A105	Mycobacteria	Actinorubin	1397-79-1
Actinomyces tumemacerans var. griseoarenicolor	Antifungi	Arenomycin B	51449-09-3
Actinomyces tumemacerans var. griseoarenicolor	Yeasts inhibitor	Arenomycin B	51449-09-3

Actinomyces tumemacerans var. griseoarenicolor	Antibacterial	4,5-Deepoxy-5-hydroxylucensomycin	51449-09-3
Actinomycetales, Maduromycetes	Weak Antibacterial	Maduralide	135288-70-9
actinomycete	Gram-positive bacteria inhibitor	Deacetylgriseusin B	
actinomycete	Gram-positive bacteria inhibitor	Deacetylgriseusin A	
Actinomycete	Gram-positive bacteria inhibitor	AC 326a	
actinomycete	Antibacterial	A 65636	
Actinomycete	Antitumor	2-Hydroxytetrangomycin	102674-89-5
actinomycete	Antiviral	Fluvirucin B	
actinomycete	Cutinase inhibitor	Cutinostatin B	
actinomycete (CNH-099)	Cytotoxic moderately	Isomarinone	272458-32-9
actinomycete (CNH-099)	Cytotoxic moderately	Debromomethoxymarinone	272458-34-1
actinomycete (CNH-099)	Cytotoxic moderately	Hydroxydebromomarinone	272458-33-0
actinomycete (strain CNH-099)	Cytotoxic moderately	Neomarinone	272458-31-8
actinomycete Actinomadura J907-21	Antibacterial	Elsamicin B	97068-31-0
actinomycete Actinomadura J907-21	Antimelanoma	Antibiotic BBM 2478B	97068-31-0
actinomycete Actinomadura J907-21	Antileukaemia	Elsamicin B	97068-31-0
actinomycete Actinomadura J907-21	Antibacterial	Elsamicin A	97068-30-9
actinomycete Actinomadura J907-21	Antimelanoma	Elsamitrucin	97068-30-9
actinomycete Actinomadura J907-21	Antileukaemia	Antibiotic BBM 2478A	97068-30-9
actinomycete Actinomadura J907-21	Antitumor	Elsamicin A	97068-30-9
actinomycete Actinomadura J907-21	Antibiotic	Elsamitrucin	97068-30-9
Actinomycete, by Actinomadura sp.	Inhibitor of adenosine deaminase	Adechlorin	96328-17-5
Actinomycete, by Actinomadura sp.	Antibacterial	Adechlorin	96328-17-5
Sphingolipids of influenza virus	mycobactericidal	2-Hydroxyoctadecanoic acid	629-22-1
Actinomycete designated A83016	weak Antimicrobial	Antibiotic A 83016F	142435-72-1
actinomycete Kutzneria sp. 744	Antifungal moderately	Kutzneride 1	878997-78-5
Actinomycete MG417-CF17	Phospholipases C, D inhibitor	N,N'-Ethylenediaminedisuccinic acid (S,S)	20846-91-7
Actinomycete MG417-CF17	Delayed type hypersensitivity, antibody formation inhibitor	N,N'-Ethylenediaminedisuccinic acid (S,S)	20846-91-7
Actinomycete MG417-CF17	T, β blastogenesis inhibition in vitro	N,N'-Ethylenediaminedisuccinic acid (S,S)	20846-91-7
Actinomycete MG417-CF17	Chelating	N,N'-Ethylenediaminedisuccinic acid (S,S)	20846-91-7
Microellobosporia flava Y-1	Gram-positive bacteria inhibitor	Antibiotic Y 1	111366-48-4
Microellobosporia flava Y-1	Antifungi	Antibiotic Y 1	111366-48-4
Microellobosporia flava Y-1	Yeasts inhibitor	Antibiotic Y 1	111366-48-4
Nocardia orientalis	Gram-positive bacteria inhibitor	Eremomycin	110865-90-2
Nocardiopsis dassonvillei	Antiinflammatory	3-Carboxy-1-vinyl- β -carboline	85105-51-7
Nocardiopsis dassonvillei	Antitumor	1-Vinyl- β -carboline-3-carboxylic acid	85105-51-7

Streptomyces sp.	Cytotoxic	Marmycin B	955119-60-5
Streptomyces sp.	Cytotoxic	Marmycin A	955119-59-2
Actinomycete sp.	Antifungal	Mathemycin B	
Actinomycete sp.	Antifungal	Antibiotic M 881615B	211374-76-4
Actinomycete sp.	Antitumor	Antibiotic IKD 8344	129046-69-1
Actinomycete sp.	HIV-1 reverse transcriptase inhibitor	Quinoxapeptin B	175484-08-9
Actinomycete sp.	HIV-1 reverse transcriptase inhibitor	Quinoxapeptin A	175484-07-8
Actinomycete sp.	HIV-2 reverse transcriptase inhibitor	Quinoxapeptin B	175484-08-9
Actinomycete sp.	HIV-2 reverse transcriptase inhibitor	Quinoxapeptin A	175484-07-8
Actinomycete sp.	Cytotoxic	Quinoxapeptin B	175484-08-9
Actinomycete sp.	Cytotoxic	Quinoxapeptin A	175484-07-8
Actinomycete sp.	Antifungal	Maclafungin	
Actinomycete sp.	Antifungal	Pradimicin T1	149598-64-1
Actinomycete sp.	Anti-HIV	Actinohivin	
Actinomycete sp.	Melanogenesis inhibitor	Amphistin	199783-52-3
Actinomycete sp.	Antibiotic	Drimentine E	204398-94-7
Actinomycete sp.	Antibiotic	Drimentine D	204398-93-6
Actinomycete sp.	Antibiotic	Drimentine B	204398-91-4
Actinomycete sp.	Antibiotic	Drimentine C	204398-92-5
Actinomycete sp.	Antibiotic	Drimentine A	204398-90-3
Actinomycete sp.	Antitumor	Tallysomyacin B	65057-91-2
Promicromonospora sukumoe	Antifolate	7-Hydro-8-methylpteroylglutamylglutamic acid	108402-49-9
Promicromonospora sukumoe	Thymidilate synthase inhibitor	7-Hydro-8-methylpteroylglutamylglutamic acid	108402-49-9
Promicromonospora sukumoe	Antimalarial	7-Hydro-8-methylpteroylglutamylglutamic acid	108402-49-9
Actinomycete strain UOE6	Antitumor	Antibiotic UCE 6	150829-94-0
Streptomyces griseorubiginosus	Antibacterial	Rubiginone B ₂	130548-10-6
Streptomyces griseorubiginosus	Cytostatic	8-O-Methylochromycinone	130548-10-6
Actinomycete X-14881	Cytotoxicity potentiator of Vincristine	Rubiginone B ₂	130548-10-6
Soil sample of Central Asia	Antiviral	Antibiotic 6734 21	
Actinomycetes	Anti-gram-positive bacteria	2-Demethylerythromycin	111010-24-3
Actinomycetes	Biological similar as parent	2-Norerythromycin C	
Actinomycetes	Biological similar as parent	2-Norerythromycin D	110978-89-7
Actinomycetes	Biological similar as parent	2-Demethylerythromycin B	110978-90-0
actinomycetes CNB-632, CNH-099	Cytotoxic moderately	Marinone	146488-63-3
Actinomycetes strain K-26	hypotensive	Antibiotic K 26	84890-91-5
Actinomycetes strain MK290-AF1	Inhibitor of farnesyl protein transferase	Saquayamycin E	178484-51-0
Actinomycetes strain MK290-AF1	Inhibitor of farnesyl protein transferase	Saquayamycin F	178484-52-1
Actinomycetes. Originally Streptomyces	limited Antimicrobial	Antibiotic 17	1397-77-9

coelicolor			
Actinoplanes arizonaensis	Gram-positive bacteria inhibitor	Arizonin B ₂	108905-76-6
Actinoplanes arizonaensis	Gram-positive bacteria inhibitor	Arizonin A ₂	108890-88-6
Actinoplanes arizonaensis	Gram-positive bacteria inhibitor	Arizonin C ₃	108925-06-0
Actinoplanes arizonaensis	Gram-positive bacteria inhibitor	Arizonin A ₁	108890-87-5
Actinoplanes arizonaensis	Gram-positive bacteria inhibitor	Arizonin B ₁	108890-89-7
Actinoplanes arizonaensis	Gram-positive bacteria inhibitor	Arizonin C ₁	108890-86-4
Actinoplanes azureus	Gram-positive bacteria inhibitor	Antibiotic 35763	64735-13-3
Actinoplanes azureus	Animal growth promoter	Antibiotic 35763	64735-13-3
Actinoplanes caeruleus	Antifungal	Antibiotic 67-121D	63439-76-9
Actinoplanes caeruleus	Antifungal	Antibiotic 67-121C	57515-50-1
Streptomyces pimprina	Antifungal	Hamycin A	62534-55-8
Actinoplanes caerulus	Antifungal	Antibiotic 67-121A	57515-52-3
Actinoplanes deccanensis	Gram-positive bacteria inhibitor	Lipiarmycin B	
Actinoplanes deccanensis	Gram-positive bacteria inhibitor	Lipiarmycin A	
Actinoplanes durhamensis	Potent inhibitor of HIV Tat transactivation	Durhamycin A	457068-29-0
Actinoplanes ferrugineus	Hypotensive	Antibiotic HS 2	135150-76-4
Actinoplanes ferrugineus	Vasodilatory	Antibiotic HS 2	135150-76-4
Actinoplanes friuliensis DSM 7358	Inhibitor of peptidoglycan synthesis	Friulimicin	
Actinoplanes friuliensis, Streptomyces griseus, Streptomyces violaceus	Gram-positive bacteria inhibitor	Aspartocin	302327-46-4
Actinoplanes brasiliensis INA-3802	Gram-negative, -positive bacteria inhibitor	Gardimycin	59165-34-3
Actinoplanes garbadinensis	Peptidoglycan synthesis inhibitor	Actagardin	59165-34-3
Actinoplanes ianthogenes octamicini	Gram-positive bacteria inhibitor	Octamycin	71767-97-0
Actinoplanes ianthogenes octamicini	Lymphadenosis inhibitor in rice	Octamycin	71767-97-0
Actinoplanes japonensis	Gram-positive bacteria inhibitor	Antibiotic AB 102	72854-55-8
Actinoplanes japonensis	Mycoplasma inhibitor	Antibiotic AB 102	72854-55-8
Actinoplanes kanagawaensis	Antitumor	Kanagawamicin	84873-16-5
Actinoplanes kanagawaensis	Antibacterial weak	Kanagawamicin	84873-16-5
Actinoplanes liguriae	Antibacterial	1-Alanylactagardin	248605-87-0
Actinoplanes missouriensis	Gram-positive bacteria inhibitor	Antibiotic A 39893	163405-64-9
Actinoplanes missouriensis	Gram-positive bacteria inhibitor	Actaplanin	37305-75-2
Actinoplanes missouriensis	Growth-promotor of chickens, swine	Actaplanin	37305-75-2
Actinoplanes philippinensis	Gram-positive bacteria inhibitor	Antibiotic A 2315C	58339-26-7
Actinoplanes philippinensis	Mycoplasma inhibitor	Antibiotic A 2315C	58339-26-7
Actinoplanes philippinensis	Gram-positive organism inhibitor	Madumycin II	58717-24-1
Actinoplanes azureus	Gram-positive bacteria inhibitor	Pleuracin ML	58339-27-8
Actinoplanes philippinensis	Mycoplasma inhibitor	Pleuracin ML	58339-27-8
Actinoplanes auranticolor	Phytotoxic fungi inhibitor	Pleuracin ML	58339-27-8
Actinoplanes rectilineatus	Gram-negative, -positive bacteria inhibitor	Rectiplanin	161544-07-6
Actinoplanes sarveparensis	Antibacterial	Antibiotic L 13365	66105-52-0

Actinoplanes sp.	α-Glucosidases inhibitor strongly	Acarbose	56180-94-0
Actinoplanes sp.	Saccharase inhibitor strongly	Acarbose	56180-94-0
Actinoplanes sp.	Anti-diabetes clinically	Acarbose	56180-94-0
Actinoplanes sp.	Anti-hyperlipidaemia clinically	Acarbose	56180-94-0
Actinoplanes sp.	Anti-obesity clinically	Acarbose	56180-94-0
Actinoplanes sp.	Gram-negative, -positive bacteria inhibitor	Antibiotic SE 73-74D	74440-75-8
Actinoplanes sp.	Mycoplasma inhibitor	Antibiotic SE 73-74D	74440-75-8
Actinoplanes sp.	Animal growth promotor	Antibiotic SE 73-74D	74440-75-8
Actinoplanes sp.	Antibacterial	Antibiotic A 7413D	
Actinoplanes sp.	Dopamine receptor ligand	2,5-Dihydroxyacetanilide	93525-28-1
Actinoplanes sp.	Inhibitor of bacterial protein synthesis	Antibiotic A 21459B	174423-37-1
Actinoplanes sp.	Inhibitor of bacterial protein synthesis	Antibiotic A 21459A	174423-36-0
Actinoplanes sp.	Inhibitor of Ras farnesyl-protein transferase	Actinoplanic acid B	170661-88-8
Actinoplanes sp.	Potent inhibitor of Ras farnesyl-protein transferase	Actinoplanic acid	159440-19-4
Actinoplanes sp.	Antibacterial	Antibiotic AB 113	82114-96-3
Actinoplanes sp.	Anti-gram-positive bacteria	Antibiotic AB 113	82114-96-3
Actinoplanes sp.	Antimicrobial	Antibiotic AB III	78170-23-7
Actinoplanes sp.	Antimicrobial	3,5-Dichloro-2-hydroxy-g-oxobenzenebutanenitrile	69884-42-0
Actinoplanes sp.	Cytotoxic	Antibiotic BE 56980	205448-60-8
Actinoplanes sp.	Antibacterial	Antibiotic A 10947	72509-93-4
Actinoplanes sp.	Gram-positive bacteria inhibitor	Planothiocin	
Actinoplanes sp.	Growth promotor	Planothiocin	
Actinoplanes sp.	Antibacterial	Antibiotic A 12918	80208-81-7
Actinoplanes sp.	Human thioredoxin system inhibitor	Antibiotic BE 40644	172923-88-5
Actinoplanes sp.	Cytotoxic	Antibiotic BE 40644	172923-88-5
Actinoplanes sp.	Anti-MRSA bacteria	Antibiotic BE 40665A	
Actinoplanes sp.	Antibacterial	Antibiotic BE 40665D	183241-67-0
Actinoplanes sp.	Gram-positive bacteria inhibitor	Ramoplanin	76168-82-6
Actinoplanes sp.	Antiplaque	Ramoplanin	76168-82-6
Actinoplanes sp.	Cell wall biosynthesis inhibitor	Ramoplanin	76168-82-6
Actinoplanes sp.	HIV-1 integrase inhibitor	Integramycin	
Actinoplanes sp.	Antifungal	Antibiotic Sch 42137	142383-44-6
Actinoplanes sp.	Cytotoxic	Actinoplanone C	116200-80-7
Actinoplanes sp.	Cytotoxic	Actinoplanone G	116200-82-9
Actinoplanes sp.	Cytotoxic	Actinoplanone A	115655-86-2
Actinoplanes sp.	Cytotoxic	Actinoplanone E	116229-70-0
Actinoplanes sp.	Cytotoxic	Actinoplanone F	116200-79-4
Actinoplanes sp.	Cytotoxic	Actinoplanone B	115655-87-3
Actinoplanes sp.	Cytotoxic	Actinoplanone D	116200-81-8

Actinoplanes sp.	Antifungal	Antibiotic Sch 56036	215596-10-4
Actinoplanes sp.	Antifungal	Antibiotic Sch 54445	175448-19-8
Streptomyces sp. 1409	Plant growth regulator	Streptol	111136-25-5
Streptomyces ramocissumus	Anti-clostridia	Mocimycin	50935-71-2
Streptomyces ramocissumus	Animal growth promoter used in poultry breeding	Kirromycin	50935-71-2
Actinoplanes spp.	Anti-gram-positive bacteria	15-Deoxo-13-deoxy-15-hydroxymadumycin I	71843-98-6
Actinoplanes teichomyceticus	Staphylococci inhibitor (Highly active)	Teichomycin	61036-62-2
Actinoplanes teichomyceticus	Gram-positive anaerobes inhibitor (Highly active)	Teichomycin	61036-62-2
Actinoplanes utahensis	Gram-negative, -positive bacteria inhibitor	Bacteroplanecin	89492-55-7
Actinoplanes utahensis A6984	Antibacterial	Antibiotic A 6984	
Actinospora sp.	Cytoprotective	Thiazohalostatin	152509-78-9
Actinospora sp.	Antioxidant	Thiazohalostatin	152509-78-9
Actinomadura sp.	Antiischaemic	Thiazohalostatin	152509-78-9
Actinomadura sp.	Antiinflammatory	Antibiotic HQ 24A	152509-78-9
Nocardia sp.	Antifungi	Ansamitocin P3	66584-72-3
Actinosynnema pretiosum	Antitumor	Antibiotic C 15003P3	66584-72-3
Nocardia sp.	Antiprotozoal strongly	Ansamitocin P3	66584-72-3
Actinosynnema pretiosum	Antimitotic	Antibiotic C 15003P4	66584-72-3
Nocardia sp.	Polymerisation inhibitor	Ansamitocin P3	66584-72-3
Paecilomyces lilacinus	Aldose reductase inhibitor	6-Hydroxy-5-benzothiazoleacetic acid	115585-81-4
Actinosynnema sp.	Aldose reductase inhibitor	Thiazocin B	136958-26-4
Actinosynnema sp.	Aldose reductase inhibitor	Thiazocin A	136958-25-3
Actinosynnema sp.	Gram-positive bacteria inhibitor	15-Demethylmacbecin II	86691-96-5
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E5R	86683-20-7
Actinosynnema sp.	Gram-positive bacteria inhibitor	11-Demethylmacbecin II	86683-19-4
Actinosynnema sp.	Gram-positive bacteria inhibitor	15-Demethylmacbecin I	86683-18-3
Actinosynnema sp.	Gram-positive bacteria inhibitor	12-Demethylmacbecin I	86683-21-8
Actinosynnema sp.	Gram-positive bacteria inhibitor	11-Demethylmacbecin I	86683-22-9
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E7R	86782-16-3
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E7	86782-15-2
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E6R	86683-11-6
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E6	86683-09-2
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E4R	86752-40-1
Actinosynnema sp.	Gram-positive bacteria inhibitor	Antibiotic C 33196E4	86752-39-8
Actinosynnema sp.	Antifungi	15-Demethylmacbecin II	86691-96-5
Actinosynnema sp.	Antifungi	12-Demethylmacbecin II	86683-20-7
Actinosynnema sp.	Antifungi	11-Demethylmacbecin II	86683-19-4
Actinosynnema sp.	Antifungi	15-Demethylmacbecin I	86683-18-3
Actinosynnema sp.	Antifungi	12-Demethylmacbecin I	86683-21-8

Actinosynnema sp.	Antifungi	11-Demethylmacbecin I	86683-22-9
Actinosynnema sp.	Antifungi	Antibiotic C 33196E7R	86782-16-3
Actinosynnema sp.	Antifungi	Antibiotic C 33196E7	86782-15-2
Actinosynnema sp.	Antifungi	Antibiotic C 33196E6R	86683-11-6
Actinosynnema sp.	Antifungi	Antibiotic C 33196E6	86683-09-2
Actinosynnema sp.	Antifungi	Antibiotic C 33196E4R	86752-40-1
Actinosynnema sp.	Antifungi	Antibiotic C 33196E4	86752-39-8
Actinosynnema sp.	Protozoa inhibitor	15-Demethylmacbecin II	86691-96-5
Actinosynnema sp.	Protozoa inhibitor	12-Demethylmacbecin II	86683-20-7
Actinosynnema sp.	Protozoa inhibitor	11-Demethylmacbecin II	86683-19-4
Actinosynnema sp.	Protozoa inhibitor	15-Demethylmacbecin I	86683-18-3
Actinosynnema sp.	Protozoa inhibitor	12-Demethylmacbecin I	86683-21-8
Actinosynnema sp.	Protozoa inhibitor	11-Demethylmacbecin I	86683-22-9
Actinosynnema sp.	Protozoa inhibitor	Antibiotic C 33196E7R	86782-16-3
Actinosynnema sp.	Protozoa inhibitor	Antibiotic C 33196E7	86782-15-2
Actinosynnema sp.	Protozoa inhibitor	Antibiotic C 33196E6R	86683-11-6
Actinosynnema sp.	Protozoa inhibitor	Antibiotic C 33196E6	86683-09-2
Actinosynnema sp.	Protozoa inhibitor	Antibiotic C 33196E4R	86752-40-1
Actinosynnema sp.	Protozoa inhibitor	Antibiotic C 33196E4	86752-39-8
Actinosynnema sp.	Cytostatic	15-Demethylmacbecin II	86691-96-5
Actinosynnema sp.	Cytostatic	12-Demethylmacbecin II	86683-20-7
Actinosynnema sp.	Cytostatic	11-Demethylmacbecin II	86683-19-4
Actinosynnema sp.	Cytostatic	15-Demethylmacbecin I	86683-18-3
Actinosynnema sp.	Cytostatic	12-Demethylmacbecin I	86683-21-8
Actinosynnema sp.	Cytostatic	11-Demethylmacbecin I	86683-22-9
Actinosynnema sp.	Cytostatic	Antibiotic C 33196E7R	86782-16-3
Actinosynnema sp.	Cytostatic	Antibiotic C 33196E7	86782-15-2
Actinosynnema sp.	Cytostatic	Antibiotic C 33196E6R	86683-11-6
Actinosynnema sp.	Cytostatic	Antibiotic C 33196E6	86683-09-2
Actinosynnema sp.	Cytostatic	Antibiotic C 33196E4R	86752-40-1
Actinosynnema sp.	Cytostatic	Antibiotic C 33196E4	86752-39-8
Aicroorganisms, Aspergillus spp.	Weak Antibacterial	Kojic acid	501-30-4
Marine-derived Alternaria sp.	Skin whitening	5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one	501-30-4
Action of enzymes on sucrose, Roots of asparagus	Essential role in the metabolism of D-fructose polymers	1-Kestose	470-69-9
Active fraction extract of Eucalyptus robusta leaves	Antimalarial	Robustadial A	88130-99-8
Hallucinogenic mushrooms Psilocybe mexicana	Psychotomimetic, hallucinogen	Psilocybine	520-52-5
Acutosides Luffa acutangula (Chinese okra)	Anthelmintic (fruits) used in Ayurvedic medicine	β-D-Xylopyranosyl-(1$\rightarrow$4)-6-deoxy-α-L-mannopyranosyl-(1$\rightarrow$2)-L-arabinose	

Acutosides Luffa acutangula (Chinese okra)	Antipyretic (fruits) used in Ayurvedic medicine	β -D-Xylopyranosyl-(1 $\rightarrow$ 4)-6-deoxy- α -L-mannopyranosyl-(1 $\rightarrow$ 2)-L-arabinose	
Acutosides Luffa acutangula (Chinese okra)	Emetic (seeds) used in Ayurvedic medicine	β -D-Xylopyranosyl-(1 $\rightarrow$ 4)-6-deoxy- α -L-mannopyranosyl-(1 $\rightarrow$ 2)-L-arabinose	
Acutosides Luffa acutangula (Chinese okra)	Expectorant (seeds) used in Ayurvedic medicine	β -D-Xylopyranosyl-(1 $\rightarrow$ 4)-6-deoxy- α -L-mannopyranosyl-(1 $\rightarrow$ 2)-L-arabinose	
Acylglycerol, in animal phospholipids	Nutraceutical	Timnodonic acid	10417-94-4
Acylglycerol, in animal phospholipids	Antioxidation Precursor of PG3 series of prostaglandins	Timnodonic acid	10417-94-4
α -linolenic acid aHHB80-W, red algae	Platelet aggregation inhibitor	5,8,11,14,17-Eicosapentaenoic acid (<i>all-Z</i>)	10417-94-4
α -linolenic acid aHHB80-W, red algae	Allelopathic	5,8,11,14,17-Eicosapentaenoic acid (<i>all-Z</i>)	10417-94-4
Adenaria floribunda	Cytotoxic	Adenafloirin A	
Adenia gummifera	Cytotoxic	Gummiferol	172335-07-8
Adenium bohemianum, Adenium lugardii	Arrow poison	Echujin	9007-56-1
Adenium obescum, Mandevilla pentlandia	Antineoplastic	Digitoxigenin cymaroside	12708-27-9
Adenocarpus complicatus ssp. Aureus	Biosynthesis intermediate	Tetrahydroanabasine	64191-30-6
Adenophora triphylla var. japonica	Inhibits bovine liver β -galactosidase	1 α -C-Ethylfagomine	
Adhatoda vasica	Transient hypotensive	Vasicinol (S)	5081-51-6
Roots of Sida cordifolia, Sida spp.	Cardiac depressant	Vasicinol (S)	5081-51-6
Adhatoda vasica, roots of Sida cordifolia, Sida spp.	Histamine antagonist	Vasicinol (S)	5081-51-6
Adhatoda vasica	Anticholinesterase mildly	Vasicinol (S)	5081-51-6
Platanus orientalis, Piper nigrum, Annona squamosa, Gymnelaea cunninghamii	Anticonvulsant	Palmitone	502-73-8
Adiantum monochlamys	Escherichia coli inhibitor	Filicenol B	145103-37-3
Adocia, Xestospongia spp.	Cytotoxic mildly	Adociaquinone B	113831-00-8
Adocia, Xestospongia spp.	Topoisomerase inhibitor	Adociaquinone B	113831-00-8
Adocia sp.	Anti-HIV	Adociavirin	
Adocia sp.	Endothelial cell-neutrophil leukocyte adhesion inhibitor	Adociacetylene C	176182-12-0
Adocia sp.	Endothelial cell-neutrophil leukocyte adhesion inhibitor	Adociacetylene B	176182-13-1
Adocia sp.	Topoisomerase II inhibitor	Adociaquinone A	113830-99-2
Adocia sp., Petrosia sp.	Endothelial cell-neutrophil leukocyte adhesion inhibitor	Adociacetylene D	155624-59-2
Adocia sp., Great Barrier reef, Cymbastela hooperi	Potent in vitro Antimalarial	7,20-Diisocyanoadociane	60197-58-2
Adocia sp., Great Barrier reef, Cymbastela hooperi	Antimycobacterial	7,20-Diisocyanoadociane	60197-58-2
Adocia sp., Great Barrier reef, Cymbastela hooperi	Cytotoxic	7,20-Diisocyanoadociane	60197-58-2

Aechmea, Billbergia, Veronica sp.	Estrogen. Antioxidant	4',5,7-Trihydroxy-3',5'-dimethoxyflavone	520-32-1
Gramineae spp. Widespread in Cyperaceae	Estrogen. Antioxidant	Tricin	520-32-1
Aedes aegypti	Allatostatins	Aedes aegypti Allatostatins	
Aedes aegypti	Antimicrobial	Aedes Defensin	166515-41-9
Aedes aegypti	Neuropeptides	Aedes Head peptides	
Aedes aegypti	Trypsin-modulating oostatic factor	Aedes aegypti Oostatic hormone A	128439-50-9
Aedes aegyptii	Neuropeptide	Aedes Allatotropin-related peptide	254443-09-9
Aedes albopictus L4.4 cells	Antiviral	Antiviral protein	
Myrsine africana (cape myrtle)	Piscicide	5-O-Methylembelin	56005-10-8
Aegiceras majus, Pomatosace filicula	Antimycobacterial	Aegicerin	2749-23-7
Aegilops ovata	Germination inhibitor	5'-Methoxymonoepoxylignanolid e	
Aegilops ovata	Germination inhibitor	Monoepoxylignanolid e	
Aegle marmelos (bael)	Antihyperglycaemic	Aegeline (±)	37791-13-2
Zanthoxylum ocumarense (Rutaceae)	antidyslipidaemic	Aegeline (±)	37791-13-2
Ceriman (Monstera deliciosa), apple, grapefruit, guava fruit, papaya, melon, pineapple	Used in perfumery, flavoring	Ethyl phenylacetate	101-97-3
Grapefruit peel, Fraxinus spp. bark	Spasmolytic	Marmin (R)	14957-38-1
Aegopodium podagraria	Antifungal	Falcarindiol	55297-87-5
Angelica acutiloba (Dong Dang Gui)	Antibiotic	Falcarindiol	55297-87-5
Anthriscus sylvestris, Aralia cordata (udo)	Analgesic	Falcarindiol	55297-87-5
Crithmum maritimum (rock samphire)	Antinociceptive	Falcarindiol	55297-87-5
Daucus carota (carrot)	DNA topoisomerase inhibitor	Falcarindiol	55297-87-5
Dendropanax arboreus	Phytotoxic	Falcarindiol	55297-87-5
Falcaria vulgaris, Glehnia littoralis	Allelochemical	Falcarindiol	55297-87-5
Glehnia littoralis	Antimutagenic	Falcarindiol	55297-87-5
Heteromorpha trifoliata	Antiproliferative	Falcarindiol	55297-87-5
Panax ginseng (ginseng), Panax vietnamensis (Vietnamese ginseng)	Cytotoxic	Carotatoxin Carrotatoxin	21852-80-2
Saposhnikovia divaricata	Platelet aggregation inhibitor	Carotatoxin Carrotatoxin	21852-80-2
Schefflera arboricola	Neuronal activation inducer	Carotatoxin Carrotatoxin	21852-80-2
Aeollanthus buchnerianus	Antifungal	8-Acetoxy-5-hydroxy-2,6-dodecadienoic acid	174846-37-8
Aeollanthus parvifolius	Antifungal	4,9-Diacetoxy-6,7-epoxy-5-hydroxy-8-oxo-2-dodecenoic acid	178275-54-2
Aeollanthus parvifolius	Antifungal	4,6,7,9-Tetraacetoxy-5-hydroxy-8-oxo-2-dodecenoic	178275-55-3

		acid	
Escherichia coli, Klebsiella pneumoniae	Siderophore	Aerobactin	26198-65-2
Serratia marcescens	Catalyses the reaction of 2-pyruvate ions (see Pyruvic acid)	Acetolactate synthase	9027-45-6
Aerobacter aeruginosa		3-Dehydrogulonate 2-dehydrogenase	37250-61-6
Aerobacter mucoides	Antibacterial	Aeroglycan	
Aerobacter mucoides	Immunostimulant	Aeroglycan	
Aerococcus viridans	Bacteriocin	Viridicin	64060-34-0
Aeromonas hydrophila	Siderophore	Amonabactin T 789	155521-02-1
Aeromonas hydrophila	Siderophore	Amonabactin T 732	155521-03-2
Aeromonas hydrophila	Siderophore	Amonabactin P 750	155521-01-0
Aeromonas hydrophila	Siderophore	Amonabactin P 693	155521-04-3
Aeromonas sp. W-10	Antifungal	Antibiotic Sch 20562	
Aeromonas sp. W-10	Antifungal	Antibiotic Sch 20561	69880-24-6
Aerva persica	Antioxidant	Persinoside B	
Aerva persica	Antioxidant	Persinoside A	
Aerva persica	Antioxidant	Persinol	
Picrasma excelsa	Insecticidal	Isoquassin	
Aeschynomene indica	Leaf-opening substance	Aeshynomic acid	
Aesculus chinensis	Antiviral	Aescuflavoside A	
Aesculus chinensis	Antiviral	Aescuflavoside	461432-92-8
Aesculus hippocastanum	HIV-1 protease inhibitor	Escin IIa	158732-55-9
Aesculus hippocastanum	HIV-1 protease inhibitor	Escin Ib	26339-90-2
Aesculus hippocastanum	HIV-1 protease inhibitor	Escin Ia	123748-68-5
Aesculus hippocastanum	Oedema-inhibitory	Escin	6805-41-0
Aesculus hippocastanum	HIV-1 protease inhibitor	Escin	6805-41-0
Aesculus hippocastanum	Capillary protective	Escin	6805-41-0
Aesculus hippocastanum	Plant defensin	AH AMP 1	169027-67-2
Aesculus hippocastanum	Antimicrobial	AH AMP 1	169027-67-2
Aesculus hippocastanum	HIV-1 protease inhibitor	Escin IVb	219944-46-4
Aesculus chinensis	HIV-1 protease inhibitor	Isoescin Ia	219944-39-5
Aesculus hippocastanum horse chestnut	Low-calorie sweetening for food, chewing gum	Fungitetraose	13133-07-8
Lycoris radiata, tulips, Leucojum spp.	Neosugar which improves the intestinal flora in humans	Nystose	13133-07-8
Aesculus hippocastanum	Antiviral	Proanthocyanidin A2	41743-41-3
Cinnamomum spp.	Antibacterial weak	Procyanidin A2	41743-41-3
Aesculus hippocastanum	Radical scavenging	Procyanidoepicatechin	41743-41-3
Many plants	Anticomplementary	Epicatechin-(2b→7,4b→8)-epicatechin	41743-41-3
Aesculus hippocastanum	Antiviral	Proanthocyanidin A1	103883-03-0
Cinnamomum spp.	Antibacterial weak	Epicatechin-(2b→7,4b→8)-	103883-03-0

		catechin	
Aesculus hippocastanum	Radical scavenging	Proanthocyanidin A1	103883-03-0
Many plants	Anticomplementary	Epicatechin-(2b→7,4b→8)-catechin	103883-03-0
Aesculus, Atropa, Datura spp.	Antifungal	6,7-Dihydroxy-2H-1-benzopyran-2-one	305-01-1
Digitalis sp., Many plants, some ferns	Antiinflammatory	6,7-Dihydroxycoumarin	305-01-1
Infected sweet potato	Antifungal	Aesculetin	305-01-1
Aframomum daniellii, Zingiber officinale (ginger)	Anti-Candida spp. strongly	Aframodial	71641-23-1
Aframomum giganteum	Antioxidant	Dehydrozingerone	1080-12-2
Aframomum hanburyi	Cytotoxic	3-Acetoxy-5,7-dihydroxy-4'-methoxyflavanone	187522-24-3
Aframomum letestuianum	Trypanocidal	Letestuianin C	
Aframomum letestuianum	Platelet aggregation inhibitor	1,7-Bis(4-hydroxyphenyl)-1-heptene-3,5-dione	259795-67-0
Alpinia blepharocalyx	Trypanocidal	1,7-Bis(4-hydroxyphenyl)-1-heptene-3,5-dione	259795-67-0
Copaiva balsam, Sindora wallichii. brown alga Dictyopteris divaricata	Antibacterial	α-Copaene	3856-25-5
African giant snail (Achatina fulica)	Neuroactive	Achatin I	121912-19-4
African malaria mosquito Anopheles gambiae	Adipokinetic hormones	Anopheles gambiae Adipokinetic hormones	
Afzelia bipendensis, Jatropha curcas	Inhibitor of phospholipase D	Bipendensin	157566-67-1
Afzelia hardwood, Larix sibirica, Actinidia chinensis (kiwi fruit), Juniperus communis (juniper), Cassia javanica	Antioxidant	(-)-Epiafzelechin	24808-04-6
Agalychnis callidryas	Neuropeptide	Agalychnis callidryas Phyllokinin	190721-50-7
Agalychnis callidryas	Neuropeptide	Agalychnis callidryas Phyllocaerulein	190721-51-8
Agalychnis callidryas	Neuropeptides	Agalychnis callidryas Tachykinins	
Agaricales Amanita spp., Clitocybe spp.	Biological similar to Muscarine	Muscarine; (2R,4R,5S)-form	6252-44-4
Agaricus bisporus	Potent inhibitor of enzymes containing SH groups	2-Hydroxy-1,4-benzoquinone-4-imine	74331-93-4
Agaricus bisporus	Melanin formation prevention	Agaritin (S)	
Agaricus bisporus	Tyrosinase inhibitor	Agaritin (S)	
Agaricus bisporus (button mushroom)	Potent systemic inhibitor of plant viruses	N5-(3,4-Dioxo-1,5-cyclohexadien-1-yl)glutamine	30382-25-3
Agaricus bisporus (button mushroom)	Enzyme inhibitor	N5-(3,4-Dioxo-1,5-cyclohexadien-1-yl)glutamine	30382-25-3
Agaricus bisporus (button mushroom)	Neoplasm inhibitor	Glutamine (S), N5-(4-Hydroxyphenyl)	30382-24-2
Agaricus bisporus (button mushroom), Boletus edulis (porcini)	Fungal growth-regulating	L-form	534-30-5
Agaricus blazei, Amanita phalloides, Ganoderma lucidum, sponge Spongionella gracilis	HIV protease inhibitor	Cerevisterol	516-37-0

Agaricus macrosporus	Neurolysin inhibitor	Agaricoglyceride A	
Agaricus sp.	Antibacterial	Agaridiol	243864-56-4
Agathis australis. Cryptomeria japonica	Anti-inflammatory	Communol	1156-07-6
Agathis robusta Selaginella willdenowii, Rhus succedanea, Garcinia multiflora	Inhibitor of hepatitis β virus	Robustaflavone	49620-13-5
Agelaia pallipes pallipes	Haemolytic mast-cell degranulator toxin	Agelaia Mastoparan	848344-78-5
Agelaia pallipes pallipes	Neurotoxin	Agelotoxin	
Agelaia pallipes pallipes	Act on phospholipase A2	Agelotoxin	
Agelas cf nemoechinata, Agelas clathrodes	Actomyosin ATPase activator	Oxysceptrine	117417-62-6
Agelas mauritiana, Agelas conifera	Antiviral	Oxysceptrine	117417-62-6
Agelas cf nemoechinata, Agelas clathrodes	Antibacterial	Oxysceptrine	117417-62-6
Agelas mauritiana, Agelas conifera	Antifouling	Oxysceptrine	117417-62-6
Agelas clathrodes	Cholinergic receptor blocker	Clathrodine	135383-64-1
Agelas clathrodes	antiadrenergic	Clathrodine	135383-64-1
Agelas clathrodes	Antimuscarinic	Clathrodine	135383-64-1
Agelas clathrodes	Neurotoxin	Clathrodine	135383-64-1
Agelas clathrodes	Antifungal moderately	Clathramide A	182888-51-3
Agelas clathrodes	Antifungal moderately	Clathramide B	183072-78-8
Agelas conifera, Agelas clathrodes	Antifouling	Dibromosceptrine	117417-71-7
Agelas conifera, Agelas clathrodes	Neurotoxin	Dibromosceptrine	117417-71-7
Agelas conifera, Agelas longissima	Antihistamine remarkably	Dispacamide B	177744-34-2
Astrosclera willeyana	Potent actomyosin ATPase activator	2-Bromoageliferin	117417-67-1
Agelas conifera, Agelas cf. mauritiana	Potent actomyosin ATPase activator	2,2'-Dibromoageliferin	117417-69-3
Astrosclera willeyana	Potent actomyosin ATPase activator	2-Bromoageliferin	117417-67-1
Agelas conifera, Agelas cf. mauritiana	Potent actomyosin ATPase activator	2,2'-Dibromoageliferin	117417-69-3
Agelas conifera, Agelas clathrodes	Antiviral	Debromooxysceptrine	132911-41-2
Agelas mauritiana	Antibacterial	Debromooxysceptrine	132911-41-2
Agelas conifera, Agelas novaecaledoniae	Potent actomyosin ATPase activator	Ageliferin	117417-64-8
Agelas cf. mauritiana, Xestospongia sp.	Antifouling	Ageliferin	117417-64-8
Agelas conifera, Agelas novaecaledoniae	Somatostatin antagonist	Ageliferin	117417-64-8
Agelas dendromorpha, Cymbastela sp.	Potent Cytotoxicity	Agelastatin A	152406-28-5
Agelas dendromorpha, Cymbastela sp.	Insecticide	Agelastatin A	152406-28-5
Agelas dendromorpha, Cymbastela sp.	Antineoplastic	Agelastatin A	152406-28-5
Agelas dendromorpha, Cymbastela sp.	Metastatic cancer spread prevention	Agelastatin A	152406-28-5
Agelas dispar	Serotonin receptor antagonist	Clathramide D	200264-72-8
Agelas dispar, Agelas clathrodes	Antihistamine remarkably	Dispacamide A	177744-33-1
Agelas longissima, Axinella damicornis	antiserotonergic	Agelongine	163564-84-9
Agelas longissima, by Homaxinella sp.	Antibacterial moderately	Longamide A (S)	170891-48-2
Agelas mauritiana	Antifouling substance against macroalgae	Epiagelasine C	187825-31-6
Agelas mauritiana	Antifouling	Mauritiamine ($\pm$)	175669-27-9

Agelas mauritiana	Antibacterial moderately	Mauritiamine (±)	175669-27-9
Agelas mauritiana	Cytotoxicity	Agelasimine B	114216-87-4
Agelas mauritiana	Cytotoxicity	Agelasimine A	114216-85-2
Agelas mauritiana	Inhibition of adenosine transfer into rabbit erythrocytes	Agelasimine B	114216-87-4
Agelas mauritiana	Inhibition of adenosine transfer into rabbit erythrocytesockade	Agelasimine A	114216-85-2
Agelas mauritiana	Ca2(+)-channel antagonistic action	Agelasimine B	114216-87-4
Agelas mauritiana	Ca2(+)-channel antagonistic action	Agelasimine A	114216-85-2
Agelas mauritiana	α1 adrenergic blockade	Agelasimine B	114216-87-4
Agelas mauritiana	α1 adrenergic blockade	Agelasimine A	114216-85-2
Agelas mauritiana	Larval metamorphosis-promoting compound Feeding deterrent for ascidians	4,5-Dibromo-1H-pyrrole-2-carboxamide	34649-20-2
Agelas mauritanus	Immunostimulant	Agelasphin 11	152139-44-1
Agelas mauritanus	Immunostimulant	Agelasphin 13	155419-38-8
Agelas mauritanus	Immunostimulant	Agelasphin 9b	148766-51-2
Agelas mauritanus	Immunostimulant	Agelasphin 9a	148289-27-4
Agelas nakamurai	Antiangiogenic matrixmetalloproteinase inhibitor	Ageladine A	643020-13-7
Agelas nakamurai	Antibacterial	Nakamuric acid	247145-39-7
Agelas nakamurai	Antimicrobial	Agelasine C	92664-78-3
Agelas nakamurai	ATP-ase inhibitor	Agelasine C	92664-78-3
Agelas nakamurai	Spasmolytic	Agelasine C	92664-78-3
Agelas nakamurai	Antimicrobial	Agelasine D	92664-80-7
Agelas nakamurai	Spasmolytic	Agelasine D	92664-80-7
Agelas nakamurai	Na/K ATP-ase inhibitor	Agelasine D	92664-80-7
Agelas nakamurai	Antispasmodic	Agelasidine B	96617-50-4
Agelas nakamurai	Antibacterial	Agelasidine B	96617-50-4
Agelas nakamurai	ATPase inhibitor	Agelasine B	92664-76-1
Agelas nakamurai	spasmolyic	Agelasine B	92664-76-1
Agelas nakamurai	ATP-ase inhibitor	Agelasine E	92599-00-3
Agelas nakamurai	Spasmolytic	Agelasine E	92599-00-3
Agelas nakamurai	Antimicrobial	Agelasine E	92599-00-3
Agelas nakamurai	ATPase inhibitor	Agelasine A	56271-74-0
Agelas nakamurai	Spasmolytic	Agelasine A	56271-74-0
Agelas nakamurai	Smooth muscle contractant	Agelasine A	56271-74-0
Agelas nakamurai	Cytotoxic	Slagenine A	246136-98-1
Agelas nakamurai	Cytotoxic	Slagenine B	246137-00-8
Agelas nakamurai	Cytotoxic	Slagenine C	246137-03-1
Agelas nakamurai	Antispasmodic	Agelasidine C (+)	96617-52-6
Agelas dispar	Antibacterial	Agelasidine C (+)	96617-52-6
Agelas nakamurai	Antispasmodic	Agelasidine A (S)	

Pacific sponge <i>Agelas</i> sp.	Antibacterial	Agelasidine A (S)	
<i>Agelas oroides</i>	Antibacterial	Ageloron B	150133-30-5
<i>Agelas oroides</i>	Antibacterial	Ageloron A	149998-47-0
<i>Agelas oroides</i>	Antibacterial	11-Epifistularin 3	
<i>Agelas oroides</i>	Cytotoxicity towards cultured breast cancer cells	11-Epifistularin 3	
<i>Agelas oroides</i>	Antihistaminic	Taurodispacamide A	323177-96-4
<i>Agelas oroides</i>	Larval metamorphosis-promoting compound Feeding deterrent for ascidians	4,5-Dibromo-1H-pyrrole-2-carboxamide	34649-20-2
<i>Agelas oroides</i> , <i>Agelas clathrodes</i>	potent immunosuppressive in vitro	4,5-Dibromo-1H-pyrrole-2-carboxylic acid	34649-21-3
<i>Agelas conifera</i> , <i>Agelas flabelliformis</i>	Feeding deterrent	4,5-Dibromo-1H-pyrrole-2-carboxylic acid	34649-21-3
<i>Agelas oroides</i> , <i>Agelas conifera</i>	Antiserotonergic	Oroidin	34649-22-4
<i>Agelas longissima</i> , <i>Agelas mauritiana</i>	adrenergic antagonist	Oroidin	34649-22-4
<i>Agelas clathrodes</i> , <i>Agelas wiedenmayeri</i>	serotonin antagonist	Oroidin	34649-22-4
<i>Agelas sceptrum</i> , <i>Axinella verrucosa</i>	anti-muscarinic	Oroidin	34649-22-4
<i>Axinella damicornis</i> , <i>Hymeniacidon</i> sp.	antifouling	Oroidin	34649-22-4
<i>Pseudaxinyssa cantharella</i>	antihistamine	Oroidin	34649-22-4
<i>Acanthella carteri</i> , <i>Acanthella aurantiaca</i>	Intermediate in the biosynthesis of the marine pyrrole-imidazole alkaloids	Oroidin	34649-22-4
<i>Agelas sceptrum</i> , <i>Agelas conifera</i>	Antimicrobial	Sceptrine	79703-25-6
<i>Agelas schmidtii</i> , <i>Agelas dispar</i>	antiserotonergic	Sceptrine	79703-25-6
<i>Agelas nakamurai</i> , <i>Agelas novaecaledoniae</i>	prophage induction	Sceptrine	79703-25-6
<i>Agelas longissima</i> , <i>Agelas clathrodes</i>	ichthyotoxic	Sceptrine	79703-25-6
<i>Axinella</i> sp., <i>Hymeniacidon</i> sp.	adrenergic antagonist	Sceptrine	79703-25-6
Unidentified Micronesian sponge	serotonin antagonist	Sceptrine	79703-25-6
<i>Agelas sceptrum</i> , <i>Agelas conifera</i>	anti-muscarinic	Sceptrine	79703-25-6
<i>Agelas schmidtii</i> , <i>Agelas dispar</i>	Somatostatin inhibitor	Sceptrine	79703-25-6
<i>Agelas nakamurai</i> , <i>Agelas novaecaledoniae</i>	Vasoactive intestinal peptide inhibitor	Sceptrine	79703-25-6
<i>Agelas longissima</i> , <i>Agelas clathrodes</i>	antihistamine	Sceptrine	79703-25-6
<i>Agelas</i> sp.	Gram-positive bacteria inhibitor	Ageline A	88929-28-6
<i>Agelas</i> sp.	Antifungi	Ageline A	88929-28-6
<i>Agelas</i> sp.	ATPase inhibitor	Agelasine F	88929-28-6
<i>Agelas</i> sp.	Ichthyotoxin weak	Agelasine F	88929-28-6
<i>Agelas</i> sp.	<i>Mycobacterium tuberculosis</i> inhibitor	Agelasine F	88929-28-6
<i>Agelas</i> sp.	Gram-positive bacteria inhibitor	Ageline B	88874-28-6
<i>Agelas</i> sp.	ATPase inhibitor	Ageline B	88874-28-6
<i>Agelas</i> sp.	Smooth muscle contractor	Ageline B	88874-28-6
<i>Agelas</i> sp.	Phytotoxin	Ageline B	88874-28-6
<i>Agelas</i> sp.	Serotonergic receptor antagonist	Keramadine	88839-97-8

Agelas sp.	Antibacterial	Nagelamide B	690627-55-5
Agelas sp.	Antibacterial	Nagelamide D	690627-57-7
Agelas sp.	Antibacterial	Nagelamide C	690627-56-6
Agelas sp.	Antibacterial	Nagelamide A	690627-54-4
Agelas sp.	Antineoplastic	Agelagalastatin	233608-55-4
Agelas sp.	Glucanase inhibitor	Dibromoagelaspongin	122893-38-3
Agelas sp.	Inhibitor of protein phosphatase 2A	Nagelamide G	690627-60-2
Agelena opulenta	Blocks neurotransmission at lobster neuromuscular synapses in an irreversible manner	Agelenin	129493-98-7
Agelenopsis aperta	Calcium channel antagonists	w-Agatoxin	
Agelenopsis aperta	Gradual but irreversible paralysis in <i>Manduca sexta</i> following injection	m-Agatoxins	
Ageratina scorodonioides, Eupatorium riparium	Contractions suppresser in rat thoracic aorta	Acetovanillochromene	34155-83-4
Ageratum conyzoides	Insecticidal	6-Methyl-12-heptadecenoic acid (6x,12Z)	311813-56-6
Ageratum mexicanum, Calea serrata, Boenninghausenia albiflora, Verbesina spp.	Antiallotropin (induces premature ecdysis in insects)	Precocene II	644-06-4
Agkistrodon acutus	Glycoprotein Ib antagonist	Agkicetin C	167290-50-8
Agkistrodon acutus	Platelet agglutination inducer	Agglucetin	392655-08-2
Agkistrodon acutus	Platelet aggregation inhibitor	Accutin	219133-22-9
Agkistrodon bilineatus	C-type lectin	Bilnexin	
Agkistrodon bilineatus	Metalloproteinase	Bilitoxin 1	
Agkistrodon bilineatus, Mexican mocassin, prairie rattlesnake (Crotalus viridis viridis), South American bushmaster (Lachesis muta)	Bradykinin inhibitor	Snake venom bradykinin-inhibitory peptide	
Agkistrodon blomhoffii	smooth muscle contractile	Blomhotin; 3-L-Leucine analogue	
Agkistrodon contortrix contortrix	Fibrinolytic enzyme	Fibrolase	116036-70-5
Agkistrodon halys (mamushi)	Potent Plateletaggregation inhibitor	Halysin	137544-79-7
Agkistrodon halys blomhoffi	Platelet glycoprotein 1β-binding protein	Mamushigin	
Agkistrodon halys blomhoffii	smooth muscle contractile	Blomhotin	250638-91-6
Agkistrodon halys blomhofi	Angiotensin-converting enzyme inhibitor	Bradykinin potentiator E	30807-90-0
Agkistrodon halys blomhofi	Inhibitor of angiotensin-converting enzyme	Bradykinin potentiator B	30892-86-5
Agkistrodon halys blomhofi	Bradykinin-destroying plasma kinases	Bradykinin potentiator B	30892-86-5
Agkistrodon halys blomhofi	Biological similar as Bradykinin potentiator B	6-Glycine-8-L-prolinebradykinin potentiator B	30953-20-9
Agkistrodon halys brevicaudus	Anticoagulant	Halyxin	
Agkistrodon halys brevicaudus	Platelet aggregation inhibitors	Salmosins	
Agkistrodon halys brevicaudus	Platelet glycoprotein antagonist	Salmosin	188265-52-3

Agkistrodon halys brevicaudus	Disintegrin	Salmosin	188265-52-3
Agkistrodon halys brevicaudus	Antitumor	Salmosin	188265-52-3
Agkistrodon piscivorus	Platelet aggregation inhibitor	Applaggin	129037-76-9
Agkistrodon rhodostoma	Platelet aggregation inhibitor	Kistrin	136462-00-5
Agkistrodon ussuriensis, Chinese viper	Platelet aggregation inhibitor	Ussuristatins	
Aglaia argentea, Aglaia elliptica	Insecticidal	<i>N,N</i> -Didemethylrocaglamide	177262-30-5
Aglaia argentea, Aglaia elliptica	Cytotoxic	<i>N,N</i> -Didemethylrocaglamide	177262-30-5
Aglaia argentea, Aglaia elliptica	PAF inhibitor	<i>N,N</i> -Didemethylrocaglamide	177262-30-5
Aglaia edulis	Cytotoxic	1-<i>O</i>-Acetylagnaroxin A	
Aglaia edulis	Cytotoxic	1-<i>O</i>-Acetyl-3'-methoxyagnaroxin A	
Aglaia edulis, Aglaia roxburghiana	Insecticidal	Aglaroxin A	176785-75-4
Aglaia edulis, Aglaia roxburghiana	Antifungal	Aglaroxin A	176785-75-4
Aglaia elaeagnoidea	Insecticidal	1-<i>O</i>-Acetylpannellin	217466-04-1
Aglaia elaeagnoidea, Aglaia edulis	Insecticidal	Pannellin	217481-12-4
Aglaia elaeagnoidea, Aglaia edulis	Antifungal	Pannellin	217481-12-4
Aglaia elliptifolia	Cytotoxic	Elliptinol	
Aglaia elliptifolia	Cytotoxic	Elliptifoline	319917-12-9
Aglaia elliptifolia, Aglaia odorata	antileukaemic	Rocaglamide	84573-16-0
Aglaia elliptifolia, Aglaia odorata	Insecticidal	Rocaglamide	84573-16-0
Aglaia ferruginaea	Oncogene function inhibitor	Rocaglaol	147059-46-9
Aglaia elaeagnoidea, Aglaia edulis	Cytotoxic	Ferrugin	147059-46-9
Aglaia odorata, Amoor cucullata	Antifungal	Aglaistatin A	147059-46-9
Aglaia formosana	Cytotoxic	Aglaiformosanin	371163-97-2
Aglaia formosana (Meliaceae)	Cytotoxicity	Dehydroodorine	
Aglaia formosana (Meliaceae)	Anti-P-388 lymphocytic leukaemia	Dehydroodorine	
Aglaia foveolata	Cytotoxic	Episilvestrol	
Aglaia foveolata	Cytotoxic	Silvestrol	
Aglaia foveolata	Cytotoxic	Foveoglin A	948312-48-9
Aglaia odorata	Insecticidal	3'-Hydroxy- <i>N,N</i> -didemethylrocaglamide	194609-34-2
Aglaia odorata, Aglaia roxburghiana	Protein synthesis inhibitor	Aglaroxin D	176785-78-7
Aglaia odorata, Aglaia roxburghiana	K-Ras transformed fibroblast morphology inducer	Aglaroxin D	176785-78-7
Aglaia odorata, Aglaia roxburghiana	Inhibitor of P-388 lymphocytic leukaemia in mice	(+)-Odorinol	72755-22-7
Twigs of Aglaia duppureana	Protein synthesis inhibitor	Dehydroaglaistatin	155595-93-0
Aglaia odorata, Aglaia elliptifolia	Insecticidal	Aglaifolin	147059-47-0
Amoor cucullata	Cytotoxic	Methyl rocaglate	147059-47-0
Aglaia pyramidata, Aglaia roxburghiana	Cytotoxic	Epiodorine	73069-04-2
Aglaia oligophylla	Insecticidal	Isothapsakone A	302598-27-2
Aglaia ponapensis	NF-kB inhibitor	Ponapensin	922169-95-7
Aglaia roxburghiana	Insecticide	Aglaroxin C	176785-77-6

Aglaia rubiginosa	Cytotoxic	1-O-Acetylrocaol	671781-85-4
Aglaonema treubii, Commelina communis	Inhibitor of several α -glucosidases	D-glycero-L-gulo-form	119557-99-2
Adenophora spp., Omphalea diandra	Antidiabetic	α -Homonojirimycin	119557-99-2
Root cultures of Phytolacca acinosa	Antiinflammatory	Phytolaccagenin	1802-12-6
Aglycone uzara root, Asclepias albicans	Cardiotonic	Uzaringenin	466-09-1
Isoplexis, Nerium, Pergularia, Xysmalobium, Mallotus spp.	Antidiarrheal	Odorigenin B	466-09-1
Agonomycetes FOM-8108	Sphingomyelinase inhibitor	Chlorogentisylquinone	333344-08-4
Agonomycetes sp. 14919	HMG-CoA reductase inhibitor	Antibiotic FR 901512	151606-25-6
Agonomycetes sp. 14919	Hypocholesterolaemic	Antibiotic FR 901512	151606-25-6
Agrimonia pilosa	Anthelmintic	Agrimophol	65792-05-4
Agrimonia pilosa	Schistosomicide	Agrimophol	65792-05-4
Agrimonia pilosa	Teniacide	Agrimophol	65792-05-4
Agrimonia pilosa	Antibacterial	Pilosanol C	142542-78-7
Agrimonia pilosa	Antibacterial	Pilosanol B	142542-77-6
Agrimonia pilosa	Antibacterial	Pilosanol A	142542-76-5
Agrimonia pilosa	Antibacterial	Agrimol G	121693-17-2
Agrimonia pilosa	Antibacterial	Agrimol F	121693-16-1
Agrimonia pilosa	Antibacterial	Agrimol C	55785-59-6
Agrimonia pilosa, Agrimonia japonica	Interleukin release stimulator	Agrimoniin	82203-01-8
Rosa laevigata, Potentilla kleiniana	Immunomodulator	Agrimoniin	82203-01-8
Agrimonia japonica, Potentilla kleiniana	TNF production enhancer	Agrimoniin	82203-01-8
Agrobacterium aurantiacum	Antigout	Hydroxyakalone	182056-35-5
Agrobacterium aurantiacum	Xanthine oxidase inhibitor	Akalone	128850-54-4
Agrobacterium aurantiacum	Xanthine oxidase inhibitor	Hydroxyakalone	182056-35-5
Agrobacterium radiobacter	Gram-positive bacteria inhibitor	Antibiotic M 53B ₂	82227-66-5
Agrobacterium radiobacter	Gram-positive bacteria inhibitor	Antibiotic M 53B ₁	82144-71-6
Agrobacterium radiobacter	Gram-positive bacteria inhibitor	Antibiotic M 53A₂	
Agrobacterium radiobacter	Bacteriocin	Agrocin 84	59111-78-3
Agrobacterium radiobacter	Anti-Agrobacterium tumefaciens	Agrocin 84	59111-78-3
Agrobacterium radiobacter	Stable to β -lactamases	Antibiotic M 138	82043-19-4
Agrobacterium radiobacter	Stable to β -lactamases	Antibiotic M 101	82188-82-7
Agrobacterium sp.	Cytotoxic	Agrochelin	247115-74-8
Agrobacterium sp.	Siderophore	Agrochelin	247115-74-8
Agrobacterium tumefaciens	Bacteriocin	Agrocin C58	98667-77-7
Agrobacterium tumefaciens	Bacteriocin	Agrobacteriocin I	
Agrobacterium tumefaciens	Crown gall opine	Chrysopine	177031-46-8
Agrobacterium tumefaciens	Quorum-sensing	N-(3-Oxo-octanoyl)homoserine lactone	147795-39-9
Agrobacterium tumefaciens	Autoinducer	N-(3-Oxo-octanoyl)homoserine lactone	147795-39-9
Agrobacterium tumefaciens	Siderophore	Agrobactin	70393-50-9

<i>Agrostemma githago</i>	Ribosome-inactivating	Agrostin	
Aigialus parvus BCC 5311	Antimalarial	Aigialomycin D	412328-20-2
<i>Ailanthus altissima</i>	Antineoplastic	Ailanthone	981-15-7
<i>Ailanthus altissima</i>	Cytotoxic against guinea pig keratinocytes	Canthin-6-one <i>N</i> -oxide	60755-87-5
<i>Ailanthus altissima</i>	Cytotoxic to guinea pig keratocytes	1-Methoxycanthin-6-one	60755-86-4
Root bark of <i>Ailanthus excelsa</i>	Anti-HIV significantly	1-Methoxycanthin-6-one	60755-86-4
<i>Ailanthus malabarica</i>	Cytotoxic	Ailanguassin A	159903-52-3
<i>Aiouea trinervis</i>	Cytotoxic	Epilitsenolide C ₁	
<i>Aiptasia pallida</i>	haemolytic	<i>Aiptasia pallida</i> Phospholipase A2	
Ajania fruticulosa	Xanthine oxidase inhibitor	Ajanoside	325148-15-0
<i>Ajuga chamaepitys</i> , <i>Ajuga iva</i>	Antifeedant	Dihydroajugapitin	
<i>Ajuga decumbens</i>	Insect Antifeedant	Ajugacumbin A	124961-66-6
<i>Ajuga decumbens</i> , <i>Ajuga nipponensis</i>	Insect Antifeedant	Ajugacumbin B	124961-67-7
Ajuga decumbens, Ajuga reptans	Insect moulting inhibitor	Ajugalactone	42975-12-2
<i>Ajuga iva</i>	Antifeedant	Ivain IV	79495-88-8
Ajuga lupulina	Antibacterial	Lupulin F	247590-23-4
Ajuga lupulina	Antibacterial	Lupulin E	247590-22-3
<i>Ajuga parviflora</i> , <i>Cineraria</i> spp., <i>Jacaranda</i> spp.	Cytotoxic	Jacaranone	60263-07-2
<i>Pseudogynoxys</i> spp., <i>Senecio</i> spp., <i>Delesseria sanguinea</i>	Metamorphosis inducer for <i>Pecten</i> larvae	Jacaranone	60263-07-2
Ajuga parviflora, Pseudogynoxys cunninghamii	Larvicide	1-Hydroxy-4-oxo-2,5-cyclohexadiene-1-acetic acid	55604-87-0
Jacaranda caucana, Delesseria sanguinea	Leishmanicidal	1-Hydroxy-4-oxo-2,5-cyclohexadiene-1-acetic acid	55604-87-0
<i>Ajuga remota</i>	Insect Antifeedant	Ajugarin III	62640-07-7
<i>Ajuga remota</i>	Insecticidal	Ajugarin IV	82225-47-6
<i>Ajuga remota</i>	Antifeedant	Ajugarin IV	82225-47-6
<i>Ajuga remota</i> , <i>Ajuga parviflora</i>	Insect Antifeedant	Ajugarin II	62640-06-6
<i>Ajuga reptans</i>	Photoecdysteroid	2,3,5,14,20,22-Hexahydroxy-6-oxoergost-7-en-26,28-olide 29-Norsengosterone	79495-94-6
Ajuga reptans, Melittis melissophyllum	Antimicrobial	Leonuride	52949-83-4
Sideritis libanotica, Sideritis lycia, Leonurus cardiaca	Antimicrobial	Ajugoside	52916-96-8
<i>Akanthomyces gracilis</i>	Antibacterial	Cicadapeptin II	
<i>Akanthomyces gracilis</i>	Antibacterial	Cicadapeptin I	
<i>Akanthomyces gracilis</i>	Antibacterial	Akanthomycin	
Alangium lamarckii	Amoebicidal	Marckine	2632-29-3
Bark of Pogonopus tubulosis	Antineoplastic	Marckine	2632-29-3
Alangium lamarckii	DNA, RNA biosynthesis inhibitor	Marckine	2632-29-3
Bark of Pogonopus tubulosis	Protein biosynthesis inhibitor	Marckine	2632-29-3
Alangium lamarckii	RNA synthesis inhibitor	Emetine	483-18-1

Cephaelis acuminata	DNA synthesis inhibitor	Emetine	483-18-1
Uragoga ipecachuana	Protein synthesis	Emetine	483-18-1
Psychotria sp.	Emetic Orally-active	Emetine	483-18-1
Common ivy	Amoebicide	Emetine	483-18-1
Alangium lonorchii	Parasiticide generally	Emetine	483-18-1
Hedera helix (Araliaceae)	Antiviral	Emetine	483-18-1
Alangium lamarckii	Antineoplastic	Emetine	483-18-1
Roots of Borreria verticillata	Antibacterial	Emetine	483-18-1
Psychotria granadensis	Neuromuscular effect	Emetine	483-18-1
Alangium lamarckii	Cardiovascular effect	Emetine	483-18-1
Roots of Borreria verticillata	Used in Indian medicine	Emetine	483-18-1
Psychotria granadensis	Biochemistry of Emetine been comprehensively studied	Emetine	483-18-1
Alangium lamarckii	Antitumor	Cephaeline	483-17-0
Alangium salviifolium	RNA biosynthesis inhibitor	Alangine B	483-17-0
Psychotria granadensis	DNA biosynthesis inhibitor	Desmethylemetine	483-17-0
Psychotria ipecacuanha	Protein biosynthesis inhibitor	Dihydropsychothrine	483-17-0
Cephaelis acuminata	Emetic	Cephaeline	483-17-0
Psychotria granadensis	Expectorant	Alangine B	483-17-0
Psychotria ipecacuanha	Antileishmanial	Desmethylemetine	483-17-0
Cephaelis acuminata	Antimalarial	Dihydropsychothrine	483-17-0
Alangium lamarckii, branches of Alangium salviifolium	Cytotoxic	Psychotrine	7633-29-6
Alangium lamarckii, roots, branches of Alangium salviifolium,, Psychotria ipecacuanha, Cephaelis ipecacuana	HIV reverse transcriptase inhibitor	Psychotrine	7633-29-6
Alangium longiflorum, Cephaelis acuminata	Cytotoxic	10-O-Demethylcephaeline	29700-91-2
Albatrellus caeruleoporus	Inhibitor of nitric oxide production	Grifolinone A	
Albatrellus caeruleoporus, Albatrellus flettii	Inhibitor of nitric oxide production	16-Oxoalbatrellin	872169-29-4
Albatrellus confluens (edibility unknown)	Melanin synthesis promoter	2,5-Dibenzyl-3-hydroxy-6-methoxypyrazine	132213-65-1
Albatrellus confluens, Rhododendron dauricum	Histamine release inhibitor	Confluentin	585534-03-8
Albatrellus cristatus	<i>Bacillus</i> sp. inhibitor	Cristatic acid	80557-13-7
Albatrellus cristatus	Antitumor	Cristatic acid	80557-13-7
Albatrellus cristatus	Haemolytic	Cristatic acid	80557-13-7
Albatrellus cristatus	Cytotoxic	Cristatin	80565-14-6
Albatrellus ovinus	Antioxidant	1,2,3-benzenetriol	192383-78-1
Albatrellus ovinus	Antioxidant	Scutigeral	65195-50-8
Albatrellus subrescens	Vanilloid receptor agonist with affinity for VR1	Scutigeral	65195-50-8
Albatrellus subrescens	Affinity for dopamine D ₁ receptors	Scutigeral	65195-50-8
Albatrellus spp.	<i>Bacillus</i> sp. inhibitor	Grifolic acid	80557-12-6
Cylindrocarpon ianthothele var. majus	Antitumor	Grifolic acid	80557-12-6

Peperomia galioides	Haemolytic	Grifolic acid	80557-12-6
Peperomia galioides	Glucose-6-phosphatase inhibitor	Grifolic acid	80557-12-6
Albizia adinocephala	Inhibitor of plasmepsin II	Budmunchiamine L4	335153-43-0
Albizia adinocephala	Inhibitor of plasmepsin II	Budmunchiamine L5	479243-93-1
Albizia julibrissin, Cinnamomum camphora	Cytotoxic	1- <i>O</i> -(24-Hydroxytetracosanoyl)glycerol	162522-33-0
Baphia nitida, Connarus ferrugineus, Derris elliptica	Glycosidase inhibitor	2,5-Dideoxy-2,5-imino-D-mannitol	
Lonchocarpus sericeus, Stemona tuberosa, Cylandrospermum sp.	Glycosidase inhibitor	2,5-Dideoxy-2,5-imino-D-mannitol	
Stemona tuberosa. Cylandrospermum sp.	Glycosidase inhibitor	2,5-Dideoxy-2,5-imino-D-mannitol	
Albizzia julibrissin	arrhythmic-inducing	Julibrine II	
Albizzia julibrissin	Leaf-opening factor	<i>N</i> ¹ - <i>cis-p</i> -Coumaroylagmatine	191330-81-1
Albizzia julibrissin	Sedative		136997-66-5
Albizzia julibrissin	Sedative		136997-65-4
Albizzia julibrissin	Sedative		136997-64-3
Albizzia julibrissin, Millettia speciosa	Antioxidant	Albibrissinoside B	848487-36-5
Seeds of Thea sinensis, seeds of Careya arborea, root of Codonopsis pilosula	Antifungal	Stigmasta-7,22-dien-3-one; (5a,22E,24S)-form	23455-44-9
Albizzia lebbek	spermicidal	Lebbekanin E	62534-66-1
Albizzia spp., Enterolobium cyclocarpum, Lysiloma bahamense in Leguminosae	Glutaminase inhibitor	Albizziine (S)	1483-07-4
Albophoma yamanashiensis	Acyl-CoA:cholesterol acyl transferase (ACAT) inhibitor	Terpendole A	156967-64-5
Albophoma yamanashiensis	ACAT inhibitor	Terpendole D	156967-66-7
Albophoma yamanashiensis	ACAT inhibitor	Terpendole B	156967-67-8
Albophoma yamanashiensis	ACAT inhibitor	Terpendole L	167612-18-2
Albophoma yamanashiensis	ACAT inhibitor	Terpendole J	167427-26-1
Albophoma yamanashiensis	ACAT inhibitor	Terpendole I	167612-17-1
Albophoma yamanashiensis	ACAT inhibitor	Terpendole H	156967-69-0
Albophoma yamanashiensis	ACAT inhibitor	Terpendole K	167427-27-2
Albophoma yamanashiensis	ACAT inhibitor	Terpendole E	167427-23-8
Albophoma yamanashiensis	ACAT inhibitor	Terpendole F	167427-24-9
Albophoma yamanashiensis	ACAT inhibitor	Terpendole G	167427-25-0
Albophoma yamanashiensis FO 2546	ACAT inhibitor	Terpendole C	156967-65-6
Aplysia californica, Aplysia brasiliana	Waterborne pheromone	Seductin	
albumen gland of sea hare Aplysia kurodai	Antitumor	Aplysianin; Aplysianin A	105521-56-0
albumen gland of sea hare Aplysia kurodai	Antimicrobial	Aplysianin; Aplysianin A	105521-56-0
albumen gland of sea hare Dolabella auricularia	Antimicrobial	Dolabellanin; Dolabellanin A	125199-94-2
albumen gland of sea hare Dolabella auricularia	Antifungal	Dolabellanin; Dolabellanin A	125199-94-2

<i>Aplysia californica</i> , <i>Aplysia brasiliana</i>	Water-borne pheromone that stimulate mate attraction	Temptin	
<i>Aplysia californica</i> , <i>Aplysia brasiliana</i>	Water-borne pheromone that stimulate mate attraction	Enticin	
<i>Alcaligenes aquamarinus</i>	Xanthine oxidase inhibitor	6-Amino-2,8-dihydroxypurine	30377-37-8
<i>Alcaligenes defragrans</i>	Catalyses the reaction of sulfoacetaldehyde	Sulfoacetaldehyde acetyltransferase	
<i>Bordetella pertussis</i> , <i>Bordetella bronchiseptica</i>	Siderophore	Alcaligin	117959-43-0
<i>Alcaligenes faecalis</i>	Gram-negative, -positive bacteria inhibitor	2-Diazenyl-5-(sulfooxy)benzenemethanol	149438-32-4
<i>Alcaligenes faecalis</i> var. <i>myxogenes</i> , the polysaccharide of yeasts, fungi, higher plants	Anti-HIV by inhibiting attachment of the virus to T-cells	Cerdlan	54724-00-4
<i>Alcaligenes latus</i>	Antileukaemic	Latosillan	
<i>Alcaligenes</i> sp.		2,4'-Dihydroxyacetophenone dioxygenase	105503-14-8
<i>Alcaligenes</i> sp.		2-Aminobenzenesulfonate 2,3-dioxygenase	156621-16-8
<i>Alcaligenes</i> sp. YL-02632S	Anti-some gram-positive bacteria	Kalimantacin C	174423-38-2
<i>Alcaligenes</i> sp. YL-02632S	Anti-some gram-positive bacteria	Kalimantacin B	174513-96-3
<i>Alcaligenes</i> sp. YL-02632S	Anti-some gram-positive bacteria		174513-95-2
<i>Alchornea cordifolia</i>	Antibacterial	<i>N,N',N''</i> -Tris(3-methylbutyl)guanidine	
<i>Alchornea floribunda</i>	Spasmolytic in dogs	Alchorneine (R)	28340-21-8
<i>Alchornea hirtella</i> (Euphorbiaceae)	Ganglioplegic	Alchorneine (R)	28340-21-8
<i>Alchornea floribunda</i>	Parasympathomimetic	Alchorneine (R)	28340-21-8
<i>Alchornea hirtella</i> (Euphorbiaceae)	Potent vagolytic	Alchorneine (R)	28340-21-8
<i>Alchornea floribunda</i>	Intestinal peristalsis inhibitor	Alchorneine (R)	28340-21-8
<i>Alchornea</i> , <i>Alstonia</i> spp.	Local anaesthetic	Yohimbine	146-48-5
<i>Amsonia</i> , <i>Aspidosperma</i> spp.	α 2-adrenoceptor Selective antagonist	Yohimbine	146-48-5
<i>Catharanthus</i> , <i>Corynanthe</i> spp.	Used as tools for study of different adrenoceptor sites	Yohimbine	146-48-5
<i>Diplorhynchus</i> , <i>Rauwolfia</i> spp.	Antidepressant used clinically	Yohimbine	146-48-5
<i>Vinca</i> , <i>Pausinystalia</i> spp.	Antihypotensive	Yohimbine	146-48-5
<i>Pouteria</i> , <i>Hunteria</i> spp.	Causes vasopressin release	Yohimbine	146-48-5
<i>Pseudocinchona</i> , <i>Corynanthe</i> spp.	Anxiogenic in rodents	Yohimbine	146-48-5
<i>Alchornea</i> , <i>Alstonia</i> spp.	Antidiuretic	Yohimbine	146-48-5
<i>Amsonia</i> , <i>Aspidosperma</i> spp.	Aphrodisiac	Yohimbine	146-48-5
<i>Alcyonidium gelatinosum</i>	Dermatitic	(2-Hydroxyethyl)dimethylsulfoxonium(1+)	
Sponge <i>Theonella</i> aff. <i>mirabilis</i>	Causative of Dogger Bank itch	(2-Hydroxyethyl)dimethylsulfoxonium(1+)	
<i>Alcyonium aureum</i>	Antiinflammatory	Zahavin A	172335-15-8

Anthelia glauca	uperoxide release inhibitor	Zahavin A	172335-15-8
Alcyonium flaccidum	Toxic to brine shrimp	Flaccidoxide	77965-78-7
Alcyonium palmatum	Ichthyotoxic	Palmatol	158846-16-3
Alcyonium palmatum	Toxic to brine shrimp	Palmatol	158846-16-3
Alcyonium valdivae	Antiinflammatory	Valdivone B	152110-08-2
Alcyonium valdivae	Antiinflammatory	Dihydrovaldivone A	152246-89-4
Alcyonium valdivae	Antiinflammatory	Valdivone A	152130-61-5
Alcyonium valdivae	Phosphatidase A2 inhibitor	Valdivone B	152110-08-2
Alcyonium valdivae	Phosphatidase A2 inhibitor	Dihydrovaldivone A	152246-89-4
Alcyonium valdivae	Phosphatidase A2 inhibitor	Valdivone A	152130-61-5
Alectoria virens	Inhibits HIV-1 integrase	Virensic acid	668-14-4
Aleurites moluccana leaves, many waxes.	Analgesic	Hentriacontane	630-04-6
Maprounea africana, Podadenia thwaitesii	HIV reverse transcriptase inhibitor	Aleuritolic acid	26549-17-7
Aleurodiscus mirabilis	Antifungal	Aleurodiscal	122535-46-0
Alexa leiopetala	Weak inhibitor of glucosidase	Alexine	116174-63-1
Alexandrium hiranoi, Goniodoma pseudogoniaulax	Antifungal	Goniodomin A	112923-40-7
Alexandrium ostenfeldii contaminated shellfish	Ca channel activator; phycotoxin	Spirolide D	170713-73-2
Alexandrium ostenfeldii various contaminated shellfish	Calcium channel activating	Spirolide B	170713-72-1
Mytilus edulis, Placopecten magellanicus	Phycotoxin	Spirolide B	170713-72-1
algae		a,α-Trehalose phosphorylase	37205-59-7
Algae	DNA binding	2-Phenylethylamine	64-04-0
Algae	Monoamine oxidase inhibitor	2-Phenylethylamine	64-04-0
Alkanet Alkanna tinctoria	Antineoplastic	C.I. Natural red 20	517-88-4
Onosma echoides. Lithospermum arvense	Used in the treatment of ulcer oruris	C.I. 75530	517-88-4
Alkanna nobilis, Alkanna tinctoria	Antineoplastic	b,β-Dimethylacrylalkannin	23444-70-4
Alkanna nobilis, Alkanna tinctoria	wound-healing	Arnabin	23444-70-4
Alkanna nobilis. Alkanna tinctoria	Antineoplastic	Alkannin acetate	34232-27-4
Macrotomia cephalotes, Arnebia euchroma	Topoisomerase inhibitor	Arnebin III	34232-27-4
Alkanna orientalis, Longitarsus exoletus	Gram-positive bacteria inhibitor	9-Angeloylretronecine	6922-62-9
Alkanna tinctoria, Arnebia spp.	Topoisomerase I inhibitor	Isovalerylalkannin	69175-71-9
Macrotomia cephalotes, Onosma heterophylla	Topoisomerase I inhibitor	Isovalerylalkannin	69175-71-9
All organisms	Involved in receptor recognition	Sialic acids	
Bacteria	Involved in cell adhesion	Sialic acids	
Viruses	Involved in aggregation	Nonulosaminic acid	
Mucopolysaccharides	Involved in antigenicity masking	Sialic acids	
Mucoproteins	Involved in metastatic potential	Nonulosaminic acid	
Lipolysaccharides (mucolipids)	Involved in nerve-signal transmission	Sialic acids	
Bacteria	Involved in viral replication	Nonulosaminic acid	

Viruses	Involved in genetic disorders	Sialic acids	
Allamanda cathartica	Antineoplastic	Allamandicin	51838-83-6
Allamanda cathartica	Antineoplastic	Allamandin	51820-82-7
Allamanda cathartica	Antibacterial	Allamandin	51820-82-7
Alliaria petiolata	Feeding deterrent for larvae of <i>Pieris napi oleracea</i>	Alliarinoside	
Alligator mississippiensis brain	Smooth muscle contracting	Neurokinin A	86933-74-6
Intestine of Python molorus	Hypotensive	Neurokinin A	86933-74-6
Paracloacal gland secretion of Chinese alligator	Cytotoxic to P388, KB cell lines	Cembrene A	31570-39-5
Allium ampeloprasum (great-head garlic)	Antifungal	Yayoisaponin C	218934-75-9
Allium ampeloprasum (great-head garlic)	Antifungal	Yayoisaponin B	218934-74-8
Allium ampeloprasum (great-head garlic)	Antifungal	Yayoisaponin A	
Allium ampeloprasum (great-head garlic)	Cytotoxic	Yayoisaponin C	218934-75-9
Allium ampeloprasum (great-head garlic)	Cytotoxic	Yayoisaponin B	218934-74-8
Allium ampeloprasum (great-head garlic)	Cytotoxic	Yayoisaponin A	
Allium ampeloprasum (leek), Brachiaria decumbens	Haemolytic	Dioscin	19057-60-4
Dioscorea colletti var. hypoglauc, Dioscorea tokora	Cytotoxic	Collettinside III	19057-60-4
Paris dunniana, Trillium tschonoskii	Antifungal	Dioscin	19057-60-4
Allium cepa	Antimicrobial	Allium cepa Antimicrobial protein 1	
Allium cepa	Antifungal	Allium cepa Antimicrobial protein 1	
Allium cepa	Bone resorption inhibitor	N-g-Glutamyl-S-(1-propenyl)cysteine sulfoxide	
Allium cepa	Potent α -amylase inhibitor	Alliuocide G	1058711-45-7
Allium cepa	Potent α -amylase inhibitor	Alliuocide G	1058711-45-7
Allium cepa	Antioxidant	Alliuocide G	1058711-45-7
Allium cepa (onion), Allium spp	Antioxidant	3-Mercapto-2-methylpentanol	227456-27-1
Allium cepa, chive leaves, guava	flavoring ingredient	2-Methyl-2-pentenal	623-36-9
Allium cepa, Allium spp.	Precursor to lachrymatory factors	Isoalliin	23315-20-0
Allium chinense (rakkyo)	Protein-tyrosine kinase inhibitor	Chinenoside II	172589-64-9
Allium chinense (rakkyo)	Antidiabetic	2',4,4'-Trihydroxychalcone	961-29-5
Bauhinia manca, Zollernia paraensis	Chemotactic	2',4,4'-Trihydroxychalcone	961-29-5
Broussonetia papyrifera	Antitumor promoter	2',4,4'-Trihydroxychalcone	961-29-5
Cleome viscosa, Cyclolobium spp.	Antioxidant	2',4,4'-Trihydroxychalcone	961-29-5
Dahlia tenuicaulis, Dahlia variabilis	Aldose reductase inhibitor	2',4,4'-Trihydroxychalcone	961-29-5
Dalbergia spp., Glycyrrhiza sp.	Ornithine decarboxylase inhibitor	2',4,4'-Trihydroxychalcone	961-29-5
Lespedeza cyrtobotrya, Machaerium spp.	Antineoplastic	2',4,4'-Trihydroxychalcone	961-29-5
Medicago spp. Onobrychis vicifolia	Antiinflammatory	2',4,4'-Trihydroxychalcone	961-29-5

Pisum sativum stressed with CuCl ₂	Antimutagenic	2',4,4'-Trihydroxychalcone	961-29-5
Platymiscium spp., Sophora tomentosa	Antifungal	2',4,4'-Trihydroxychalcone	961-29-5
Allium chinense (rakkyo), Glycyrrhiza glabra (licorice)	Antiinflammatory	Isoliquiritin	5041-81-6
Glycyrrhiza spp., Trifolium subterraneum	Antitumor promoter	Isoliquiritoside	5041-81-6
Allium fistulosum	Antifungal	1-O-(8,11,12-Trihydroxy-9-octadecenoyl)glycerol	
Allium fistulosum (Welsh onion)	Antifungal	Fistulosin	
Allium giganteum, Allium schubertii	cAMP phosphodiesterase inhibitor	Aginocide	61478-50-0
Allium macleanii, Allium senescens	Antitumor	Spirostan-3-ol; (3b,5a,25R)-form, 3-O-[α -L-Rhamnopyranosyl-(1 $\rightarrow$ 2)- β -D-xylopyranosyl-(1 $\rightarrow$ 2)-[β -D-xylopyranosyl-(1 $\rightarrow$ 3)]- β -D-glucopyranosyl-(1 $\rightarrow$ 4)- β -D-galactopyranoside]	168961-05-5
Allium vineale (wild garlic), Balanites roxburghii, Dioscorea caucasica	Molluscicidal	Deltonin	55659-75-1
Lilium hansonii, Ophiopogon planiscapus, Trillium kamtschaticense	Molluscicidal	Trilloside A	55659-75-1
Allium porrum (leek)	Antifungal	Porric acid C	207285-04-9
Allium porrum (leeks)	Antifungal	Porric acid A	207285-00-5
Allium porrum (leeks)	Antifungal	Porric acid B	207285-02-7
Allium sativa	Antibacterial	Allicin	539-86-6
Allium sativa	Antineoplastic	Allicin	539-86-6
Allium sativa	Anti-Plateletaggregation	Allicin	539-86-6
Allium sativa	Antihyperlipidaemic	Allicin	539-86-6
Allium sativa	Cholesterol synthesis inhibitor in vitro	Allicin	539-86-6
Allium sativa	Antihyperglycaemic	Allicin	539-86-6
Allium sativa	Insecticidal	Allicin	539-86-6
Allium sativa	Nutriceutical	Allicin	539-86-6
Allium sativa	Antimicrobial	Garlicin	126526-79-2
Allium sativa	Antioxidant	Di-2-propenyl pentasulfide	118686-45-6
Allium sativa	Antioxidant	Allyl hexasulfide	137443-18-6
Allium sativa	Meaty flavor to foods	Allithiamine	554-44-9
Allium sativa	Liver cell protector	S-(Allylthio)cysteine (R)	2281-22-3
Allium sativa	Nutriceutical	S-(Allylthio)cysteine (R)	2281-22-3
Allium sativum	Antitumor	Allixin	125263-70-9
Allium sativum	Nutriceutical	Allixin	125263-70-9
Allium sativum	Phytotoxic	2-Propen-1-ol	107-18-6
Allium sativum	Soil sterilant	Allyl hexasulfide	107-18-6
Allium sativum	Potent inhibitor of Plateletaggregation	Ajoene	92285-01-3
Allium sativum	Nutriceutical with anti-cancer	Allyl 3-allylsulfinyl-1-propenyl disulfide	92285-01-3
Allium sativum (garlic oil), Allium spp.	Cytotoxic	Methyl 2-propenyl trisulfide	34135-85-8

Allium sativum, Allium ursinum (ramsons)	Antimicrobial with wide spectrum	[3-(Methylsulfinyl)-1-propenyl] 2-propenyl disulfide (Z)	72869-75-1
Allium sewertzowi	Anticancer	Alliuminoside	546-42-9
Reacting levan with fructosyl transferase Pseudomonas fluorescens	Sweetener with Low calorie, half the sweetness of sucrose	Di-β-D-fructose dianhydride IV	546-42-9
Reacting phlein with fructosyl transferase Pseudomonas fluorescens	Promotes intestinal mineral absorption	Alliuminoside	546-42-9
Allium sewertzowi	Promotes growth of lactic acid-producing bacteria	Alliuminoside	546-42-9
Allium spp.	Antihyperglycaemic	2-Propenyl propyl disulfide	2179-59-1
Allium spp.	Antimicrobial	Allyl methanethiosulfinate	104228-49-1
Allium spp.	Diels-Alder reagent	2-Methyl-1-propenethiol	
Allium spp.	flavoring	Dipropyl disulfide	629-19-6
Allium spp.	flavoring ingredient	Methyl 2-propenyl disulfide	2179-58-0
Allium spp.	Used in synthesis as a formyl anion equivalent	1,3-Dithiane	505-23-7
Allium spp., Azadirachta indica. various cooked foods	Used in food flavoring	2,4-Dimethylthiophene	638-00-6
Allium spp., Azadirachta indica. various cooked foods	Odorant	2,4-Dimethylthiophene	638-00-6
Allium spp.	bactericidal	Di-2-propenyl sulfide	592-88-1
Japanese horseradish	fungicidal	3,3'-Thiobis-1-propene	592-88-1
Wasabia japonica	antithyroid	Thiobis-2-propene	592-88-1
Black mustard (Brassica nigra)	Antineoplastic	Diallyl sulfide	592-88-1
Brassica nigra	Antihypercholesterolaemic	Allyl sulfide	592-88-1
Allium spp.	Antihypertensive	4-Thiα-1,6-heptadiene	592-88-1
Japanese horseradish	anticancer	FEMA 2042	592-88-1
Allium vineale (wild garlic)	Molluscicidal	Spirost-5-en-3-ol; (3b,25R)-form, 3-O-[β-D-Glucopyranosyl-(1→4)-α-L-rhamnopyranosyl-(1→4)-β-D-glucopyranoside]	113576-38-8
Allomyrina dichotomus	Antitumor	Dichostatin	
Alnus serrulatooides	Nitric oxide synthase inhibitor	Hirsutanonol	41137-86-4
Alnus hirsuta	Antibiotic	Hirsutanonol	41137-86-4
Alnus rubra	Nitric oxide synthase inhibitor	Oregonin	55303-93-0
Alnus rubra	Cyclooxygenase-2 inhibitor	Oregonin	55303-93-0
Alnus spp.	Antibiotic	Oregonin	55303-93-0
Alnus spp.	Antimicrobial	Oregonin	55303-93-0
Alnus hirsuta, Pinus flexilis, Viscum cruciatum	Cytotoxic	Hirsutenone	41137-87-5
Alnus japonica, Alnus rubra, Pinus flexilis	Inhibitor of protein kinase C	Rubranoside A	211126-58-8
Alnus spp., Betula spp., Alluaudia spp., Achillea spp., Dodonaea spp.	Antimicrobial	Santin	27782-63-4
Aloe arborescens	Lectin	Aloctin A	78244-78-7

Aloe arborescens	Antitumor	Aloctin A	78244-78-7
Aloe arborescens	Antiinflammatory	Aloctin A	78244-78-7
Aloe barbadensis	Antiinflammatory	4"-Deoxyaloeresin D	175413-23-7
Aloe barbadensis	Used in cosmetics	Aloetic acid	567-95-3
Aloe ferox	Antiinflammatory	Aloeresin I	
Aloe pluridens	Insecticide	Pluridone (E)	88640-29-3
Aloe vera gel (Aloe barbadensis)	Potent Antiinflammatory	Veracylglucan B	863562-72-5
Aloe vera gel (Aloe barbadensis)	Potent Antiproliferative	Veracylglucan B	863562-72-5
Aloe vera gel (Aloe barbadensis)	Cell proliferative significantly	Veracylglucan C	863562-73-6
Aloe vera gel (Aloe barbadensis)	Antiinflammatory significantly	Veracylglucan C	863562-73-6
Aloe vera gel (Aloe barbadensis)	Wound healing significantly	Veracylglucan C	863562-73-6
Aloes, bark of cascara sagrada	Antileukaemic somewhat	1,8-Dihydroxy-3-hydroxymethylanthraquinone	481-72-1
Cassia alata, Rhamnus purshiana	Cathartic	Aloeemodin	481-72-1
Rhamnus alaternus, Rheum palmatum	Antiseptic	Aloeemodin	481-72-1
Rheum undulatum, Rumex orientalis	Antimicrobial	Aloeemodin	481-72-1
Asphodelus microcarpus, Asphodelus fistulosus	Antimutagenic	Aloeemodin	481-72-1
Xanthorrhoea australis, Oroxylum indicum	Antibacterial against MRSA	Aloeemodin	481-72-1
Alphitonia philippensis, Kalanchoe pinnatum	Allergy inhibitor		104683-55-8
Alphitonia spp.	Anti-S. aureus	Alphitolic acid	19533-92-7
Dryobalanops aromatica	Anti-C. albicans	Alphitolic acid	19533-92-7
Plants	Anti-HIV	Alphitolic acid	19533-92-7
Alphitonia spp., Dryobalanops aromatica	Anti-gram-positive bacteria	Alphitolic acid	19533-92-7
Alphitonia whitei, Maesopsis eminii, Colubrina granulosa, Berchemia zeyheri	Antioxidant	Maesopsin	5989-16-2
Alphitonia zizyphoides	Inhibitor of prostaglandin biosynthesis	Alphitol	
Alpinia blepharocalyx	Cytotoxic	Calyxin I	252060-65-4
Alpinia blepharocalyx	Cytotoxic	Blepharocalyxin E	294855-53-1
Alpinia blepharocalyx	Cytotoxic	Blepharocalyxin D	294855-52-0
Alpinia blepharocalyx	Cytotoxic	Epicalyxin F	
Alpinia blepharocalyx	Anti-human HT1080 sarcoma	Epicalyxin F	
Alpinia blepharocalyx	Anti-murine 26-L5 carcinoma, the most active member of the group	Epicalyxin F	
Alpinia blepharocalyx	Immunoregulator	Blepharocalyxin B	183254-62-8
Alpinia blepharocalyx	Inhibits nitric oxide production in murine macrophages	Blepharocalyxin B	183254-62-8
Alpinia blepharocalyx	Immunoregulator	Blepharocalyxin A	183137-69-1
Alpinia blepharocalyx	Inhibits nitric oxide production in murine macrophages	Blepharocalyxin A	183137-69-1
Alpinia flabellata, Zingiber cassumunar	Insecticidal	1-(2,4,5-Trimethoxyphenyl)-1,3-butadiene	68305-21-5

Alpinia galanga (greater galangal)	Candida albicans inhibitor	Galanolactone	115753-79-2
Alpinia galanga (greater galangal)	Cytotoxic	Galanolactone	115753-79-2
Alpinia galanga (greater galangal)	Antitumor	Galangal acetate	52946-22-2
Alpinia galanga	Antifungal	1'-Acetoxychavicol acetate	52946-22-2
Greater galangal	antiulcer	Galangal acetate	52946-22-2
Alpinia galanga (greater galangal)	Inhibitor of Interferon-β production	1'-Acetoxychavicol acetate	52946-22-2
Alpinia galanga (greater galangal)	Inhibitor of NO production	Galanganal	
Alpinia galanga rhizomes	Antifungal	3-(4-Hydroxyphenyl)-2-propenal (E)	20711-53-9
Cucurbita maxima, insect Sarcophyte sanguinea	Antibacterial	3-(4-Hydroxyphenyl)-2-propenal (E)	20711-53-9
Alpinia galanga, Zingiber mioga	Cytotoxic	Galanal B	104113-52-2
Alpinia galanga, Zingiber mioga	Cytotoxic	Galanal A	104086-74-0
Alpinia katsumadai	Antiemetic	Katsumadain B	
Alpinia katsumadai	Antiemetic	Katsumadain A	
Alpinia katsumadai	Cytotoxic	7,8-Dihydroxyflavanone (x)	
Alpinia officinarum	Prostaglandin biosynthesis inhibitor	7-(4-Hydroxy-3-methoxyphenyl)-1-phenyl-4-hepten-3-one	
Alpinia officinarum (lesser galangal)	Pancreatic lipase inhibitor	5-Hydroxy-7-(4-hydroxy-3-methoxyphenyl)-1-phenyl-3-heptanone	79559-61-8
Alpinia officinarum (lesser galangal)	Prostaglandin biosynthesis inhibitor	5-Hydroxy-7-(4-hydroxy-3-methoxyphenyl)-1-phenyl-3-heptanone	79559-61-8
Alpinia officinarum (lesser galangal)	Inhibitor of prostaglandin biosynthesis	5-Hydroxy-7-(4-hydroxyphenyl)-1-phenyl-3-heptanone	83161-96-0
Alpinia officinarum (lesser galangal), Alnus maximowiczii	PAF receptor binding antagonist	1,7-Diphenyl-4-hepten-3-one	79559-59-4
Alpinia officinarum,, many plants	Antibacterial	Galangin	548-83-4
Alpinia officinarum,, many plants	Tyrosinase inhibitor	5,7-Dihydroxyflavonol	548-83-4
Alpinia speciosa	Antioxidant	Ethyl 4-feruloyl-β-D-glucopyranoside	274931-04-3
Alpinia speciosa	Antioxidant	4'-O-trans-Feruloyltachioside	274931-05-4
Alpinia speciosa, Alpinia kumatake	Phytotoxin	5,6-Dehydro-7,8-dihydrokawain	3155-51-9
Alpinia speciosa, Juniperus spp., Polygonum hydropiper, Artemisia spp.	Aroma substance in perfumery	Isocineole	470-67-7
Shorea maranti wood, Piper cubeba (cubeb pepper), Cannabis sativa oil	In perfumery with 1,8-Epoxy-p-menthane	Isocineole	470-67-7
Alsidium helminthochorton	Glutamate receptor agonist	Kainic acid	487-79-6
Centroceras clavulatum	Neurotoxin	3-Carboxymethyl-4-isopropenylproline	487-79-6
Digenea simplex	Used as an anthelmintic	α-Kaininic acid	487-79-6
Alstonia actinophylla	Inhibitor of Carboxypeptidase U/Hippuricase	Actinophyllic acid	845959-90-2

Alstonia congensis, Alstonia angustiloba, Alstonia pneumatophora, Winchia calophylla	Hypotensive	Echitamide	38681-90-2
Alstonia spp. (Apocynaceae)	DNA binding	Echitamine	6871-44-9
Alstonia constricta, Rauwolfia spp., Vinca rosea, Strychnos camptoneura	Neoplasm-inhibiting	Alstonine	47485-83-6
Alstonia coriacea	Antimalarial (ca. 10% of quinine)	Corialstonidine	155416-41-4
Alstonia coriacea (Apocynaceae)	Antimalarial (approx.10% that of quinine)	Corialstonine	113145-60-1
Alstonia lenormandii	Tranquilliser	Cintramide	5588-21-6
Alstonia macrophylla (Apocynaceae)	Cytotoxic	Macrocarpamine	66408-46-6
Alstonia muelleriana, Alstonia spp.	Cytotoxic	Villalstonine	2723-56-0
Alstonia quaternata (Apocynaceae)	weak α_2-adrenoceptor blocking	Quaternatine	57499-04-4
Alstonia quaternata (Apocynaceae)	weak α_2-adrenoceptor blocking	Alstonia quaternata Alkaloid 3	57605-18-2
Alstonia venenata (Apocynaceae)	Antihypertensive similar to and synergism with, Reserpine	Venenatine	1055-75-0
Alstonia venenata (Apocynaceae)	Monoamine oxidase inhibitor	Alstovenine	4837-79-0
Alstonia vitiensis (Apocynaceae)	Antitumor	Alstovine	57576-38-2
Alstonia, Amsonia, Cabucala, Catharanthus	Gram-positive bacteria inhibitor	Tetrahydroalstonine	6474-90-4
Mitragyna, Rauwolfia, Uncaria, Rhazya, Voacanga spp.	Gram-positive bacteria inhibitor	Tetrahydroalstonine	6474-90-4
Alstonia, Aspidosperma, Corynanthe spp.	Potent selective α_2 -adrenoceptor antagonist	α -Yohimbine	131-03-3
Pseudocinchona, Rauwolfia, Vinca spp. Pausinystalia croceras	Aphrodisiac	Rauwolscine	131-03-3
Alternaria alternata	Biological precursor of AK-toxins	9,10-Epoxy-8-hydroxy-9-methyl-2,4,6-decatrienoic acid	127702-86-7
Alternaria alternata	Phytotoxin	Alterlosin I	120462-02-4
Alternaria alternata	Phytotoxin	AK toxin II	85146-10-7
<i>Alternaria alternata</i>	Phytotoxin	Alterlosin II	120462-03-5
<i>Alternaria alternata</i>	Mycotoxin	Alterlosin II	120462-03-5
Alternaria alternata, a marine Alternaria sp.	Antifungal	Dihydroalterperyleneol	88899-63-2
Alternaria alternata, a marine Alternaria sp.	Cytotoxic	Altertoxin I	88899-63-2
Alternaria alternata, Alternaria citri	Phytotoxin	Tricycloalternarene 2a	103873-60-5
Alternaria alternata, Alternaria citri	Phytotoxin	Dihydrotentoxin	54987-63-2
Alternaria alternata, Septoria spp. Euphorbia elusa	Phytotoxin	Tricycloalternarene 1b	197158-85-3
Alternaria alternata, Streptomyces rochei	Phytotoxic		26488-24-4
Alternaria alternata, Ulocladium chartarum	Phytotoxin	Ulocladol B	143246-47-3
Alternaria alternata f. sp. lycopersici	Host-specific phytotoxin complex	AAL Toxin	
Alternaria alternata f. sp. lycopersici	Phytotoxin	AAL Toxin TB ₂	149849-91-2
Alternaria alternata f. sp. lycopersici	Phytotoxin	AAL Toxin TB ₁	149849-90-1
Alternaria alternata, Alternaria kikuchiana	Phytotoxin	AK toxin I	85146-09-4

Alternaria alternata on Helianthus annuus (sunflower)	Phytotoxin	Serylvalylglycylglutamic acid	
Alternaria alternata on strawberry	Phytotoxin specific to strawberry, pear	AF Toxin II	
Alternaria alternata, Aspergillus flavipes	Cytotoxic	Cyclo(prolyltyrosyl)	2/4/4549
Streptomyces gelaticus, Fusarium nivale	SV-40 transformed cells inhibitor	Maculosin 1	2/4/4549
Fusarium nivale, a fungal growth on Zinnia elegans	Germination inhibitor	L,L-form Maculosin 1 ML 1532II A 19C Antibiotic A 19C Antibiotic ML 1532II	2/4/4549
Bacillus licheniformis. sponges Jaspis digonoxea, Tedania anhelans	Plant growth regulator	Antibiotic A 19C	2/4/4549
Pseudomonas aeruginosa, marine Penicillium sp.	Pesticidal	Antibiotic ML 1532II	2/4/4549
Alternaria alternata, Candida albicans	Antimicrobial broad spectrum	Cyclo(phenylalanylprolyl) (3S,8aS)	3705-26-8
Penicillium bilaii, Rosellinia necatrix. sponge Stelletta clavosa	Gastrointestinal cell maturation enhancing	Cyclo(phenylalanylprolyl) (3S,8aS)	3705-26-8
Alternaria brassicae, marine green algae (NIO-143)	cytokinin	2-Hydroxy-1'-methylzeatin	137592-13-3
Alternaria brassicae, marine green algae (NIO-143)	Plant growth stimulator	2-Hydroxy-1'-methylzeatin	137592-13-3
Alternaria brassicae. Aschersonia sp.	Phytotoxic	Destruxin B ₄	110538-19-7
Alternaria brassicae. Aschersonia sp.	Hepatitis β antigen suppressor	Homodestruxin B	110538-19-7
Alternaria brassicae. Aschersonia sp.	Insecticide	Destruxin B ₄	110538-19-7
Alternaria brassicae. Aschersonia sp.	Erythropoietin expression inducer	Homodestruxin B	110538-19-7
Alternaria brassicicola	Gram-positive bacteria inhibitor	Brassicicolin A	115207-17-5
Alternaria brassicicola, Xylaria spp., Nimbya scirpicola	Phytotoxin	Depudecin	139508-73-9
Alternaria brassicicola, Xylaria spp., Nimbya scirpicola	Cytotoxic	Depudecin	139508-73-9
Alternaria brassicicola, Xylaria spp., Nimbya scirpicola	Antimalarial	Depudecin	139508-73-9
Alternaria carthami, Hemicarpenetes paradoxus	Phytotoxin	7-Dehydrobrefeldin A	62989-90-6
Alternaria spp., Alternaria zinniae, Phoma macdonaldii	Phytotoxin	Zinniol	17811-28-8
Alternaria chrysanthemi only with added substrate	Phytotoxin	Bisradicinin	140671-26-7
Alternaria cichorii	Phytotoxin	Zinnidiol	148717-79-7
Alternaria cichorii, Alternaria porri	Phytotoxin	Zinnimidine	148717-77-5
Alternaria citri	Host specific phytotoxin	ACRL Toxins; ACRL Toxin III	101951-97-7
Alternaria citri	Phytotoxin	ACTG Toxin C	103886-93-7
Alternaria citri	Phytotoxin	ACTG Toxin F	103873-61-6

Alternaria citri	Plant pathotoxin	ACRL Toxins; ACRL toxin IV	101951-98-8
Alternaria citri	Plant pathotoxin	ACRL Toxin I	98353-41-4
Alternaria citri, Alternaria alternata	Phytotoxin	ACTG Toxin B Bicycloalternarene 9	103873-58-1
Alternaria citri, Alternaria alternata	Phytotoxin	Bicycloalternarene 3	103873-57-0
Alternaria citri on rough lemon	Host specific phytotoxin	ACRL Toxins; ACRL Toxin II	101951-84-2
Alternaria eichhorniae	Bacillus subtilis inhibitor	6-Deoxybostrycin	21879-83-4
Alternaria eichhorniae	Phytotoxin Non-specifically	4-Deoxybostrycin	21879-83-4
Alternaria helianthi	Phytotoxin	3-Deoxy-4-epiradicinol	91793-98-5
Alternaria infectoria, Leptosphaeria maculans/Phoma lingam	Potential mycotoxin	Infectopyrone	590409-70-4
Alternaria kikuchiana, Mycosphaerella fijiensis	Toxin	Isoochracinic acid	66964-78-1
Alternaria kikuchiana, Alternaria tenuis	Antifungal	Dehydroaltenusin	31186-13-7
Talaromyces flavus, Acremonium sp.	Inhibitor of mammalian DNA polymerase α	Antibiotic MS 3	31186-13-7
Alternaria mali	Anti- <i>Piricularia oryzae</i>	Isotentoxin	65452-16-6
Alternaria mali	Anti-bacterial infections in plants	Isotentoxin	65452-16-6
Alternaria mali	Phytotoxin with weak Antibacterial	Alternarolide I	53193-10-5
Alternaria porri	Phytotoxin	Porritoxinsulfonic acid	
Alternaria porri	Phytotoxin	Porritoxinol	156281-15-1
Alternaria porri, Alternaria solani	Phytotoxin	Porritoxin	143114-82-3
Alternaria porri, Alternaria solani	Lettuce seedling growth inhibitor at 10ppm concentration	Porritoxin	143114-82-3
Alternaria porri, Dactylaria lutea	Phytotoxic	Altersolanol C	67022-41-7
Alternaria porri, Alternaria zinniae, Nimbya alternatherae	Phytotoxin	3-Deoxyzinnolide	17811-32-4
Alternaria solani	Gram-positive bacteria inhibitor	Altersolanol E	149715-93-5
Alternaria solani	Antimicrobial	Altersolanol G	153540-53-5
Alternaria solani	Phytotoxin	Zinnolide	99257-12-2
Alternaria solani, Alternaria porri	Gram-positive bacteria inhibitor	Altersolanol B	22350-90-9
Dactylaria lutea	Protozoa inhibitor	Dactylarin	22350-90-9
Phomopsis junipervora	Phytotoxic	Altersolanol B	22350-90-9
Alternaria solani, Alternaria porri, Dactylaria lutea	Gram-positive bacteria inhibitor	Stemphylin	22268-16-2
Phomopsis junipervora, Stemphylium botryosum	Phytotoxic	Altersolanol A	22268-16-2
Alternaria solanii	Phytotoxic	Solanapyrone D	106973-16-4
Alternaria solanii, Ascochyta rabiei	Phytotoxin	Solanapyrone B	88899-60-9
Alternaria solanii, Ascochyta rabiei	Phytotoxin	Solanapyrone A	88899-61-0
Alternaria solanii, Ascochyta rabiei	Phytotoxin	Solanapyrone C	88899-59-6
Alternaria solanii, Ascochyta rabiei	Algicide	Solanapyrone C	88899-59-6

Alternaria solanii, unidentified marine fungus	Phytotoxin	Solanapyrone E	218773-71-8
Alternaria sp.	Plant growth regulator	Altechromone B	145039-07-2
Alternaria sp.	Plant growth regulator	5-Hydroxy-2,7-dimethylchromone	62806-16-0
Alternaria spp.	Antifungal	Alternaric acid	10088-62-7
Alternaria spp.	phytotoxic	Alternaric acid	10088-62-7
Alternaria spp. a marine sp.	Antifungal	Alterperyleneol	88899-62-1
Alternaria spp. a marine sp.	phytotoxic	Alterperyleneol	88899-62-1
Alternaria spp. a marine sp.	Gram-negative, -positive bacteria inhibitor	Altersetin	
Alternaria spp. a marine sp.	Yeasts inhibitor	Altersetin	
Alternaria tagetica	Phytotoxin	Tagetenolone	
Alternaria tagetica	Phytotoxin	Tagetolone	
Alternaria tagetica	Phytotoxin	8-O-Acetylzinniol	407602-69-1
Alternaria tagetica	Phytotoxin	8-O-Methylzinniol	407602-65-7
Alternaria tenuis	Mycotoxin	Altenuisol	42719-66-4
Alternaria tenuis, Alternaria alternata	Energy transfer inhibitor	Tentoxin (Z)	28540-82-1
Alternaria tenuis, Alternaria alternata	Phytotoxin	Tentoxin (Z)	28540-82-1
Alternaria tenuis, Alternaria alternata	Mycotoxin	Altenuene	29752-43-0
Alternaria tenuis, alternaria cone disorder in hops	Phytotoxic	Alternariol	641-38-3
fruit spot on papaya (Carica papaya)	DNA-intercalating	Alternariol	641-38-3
Passiflora spp. marine Alternaria spp.	Mycotoxin	Alternariol	641-38-3
Alternaria tenuis, Alternaria longipes	Causes rice leaf rot, brown spot disease of tobacco	Tenuazonic acid	610-88-8
Alternaria linicola, Alternaria alternata	Insecticidal	Tenuazonic acid	610-88-8
Alternaria tenuissima, Aspergillus sp.	Tremorgenic toxin	Tenuazonic acid	610-88-8
Pyricularia oryzae T2, Aspergillus tamarii	Antineoplastic	Tenuazonic acid	610-88-8
Aspergillus tamarii, Penicillium A374	Antiviral	Tenuazonic acid	610-88-8
Imperfect fungus (order Sphaeropsidales)	Inhibits MT1-matrix metalloproteinase	Vivotoxin	610-88-8
Alternaria tenuis, Alternaria mali	Phytotoxin	Stemphytoxin II	56257-59-1
Alternaria cassiae,, Stemphylium botryosum	Anti-gram-positive bacteria	Altertoxin II	56257-59-1
Alternaria tenuis	Inhibitor of neutral sphingomyelinase	Altenusin	31186-12-6
Penicillium sp.	Inhibits myosin light chain kinase	Altenusin	31186-12-6
Talaromyces sp.	Phytotoxin	Antibiotic MS 341	31186-12-6
Alteromonas, nearshore seawater of Japan	Alkaline protease inhibitor	Monastatin	
Alteromonas nearshore seawater of Japan	Thiol protease inhibitor	Monastatin	
Alteromonas haloplanktis	Siderophore	Bisucabarine	112972-60-8
Alteromonas haloplanktis	Tumor cells to macrophage-mediated cytotoxicity sensitizer	Bisucabarine	112972-60-8
Alteromonas luteoviolacea	Siderophore	Alterobactin B	153888-53-0
Alteromonas luteoviolacea	Siderophore	Alterobactin A	153888-52-9

Alteromonas rava	Gram-negative, -positive bacteria inhibitor	Thiomarinol A	146697-04-3
Alteromonas rava	Gram-negative, -positive bacteria inhibitor	Thiomarinol C	156343-39-4
Alteromonas rava	Gram-negative, -positive bacteria inhibitor	Thiomarinol B	156098-42-9
Alteromonas rava	Isoleucyl transferase inhibitor	Thiomarinol A	146697-04-3
Alteromonas rava	Isoleucyl transferase inhibitor	Thiomarinol C	156343-39-4
Alteromonas rava	Isoleucyl transferase inhibitor	Thiomarinol B	156098-42-9
Alteromonas rava	RNA synthetase inhibitor	Thiomarinol A	146697-04-3
Alteromonas rava	RNA synthetase inhibitor	Thiomarinol C	156343-39-4
Alteromonas rava	RNA synthetase inhibitor	Thiomarinol B	156098-42-9
Alteromonas rava	Isoleucyl transferase inhibitor	Thiomarinol D	182154-99-0
Alteromonas rava	Isoleucyl transferase inhibitor	Thiomarinol F	182155-01-7
Alteromonas rava	RNA synthetase inhibitor	Thiomarinol D	182154-99-0
Alteromonas rava	RNA synthetase inhibitor	Thiomarinol F	182155-01-7
Alteromonas rava	Leucotriene antagonist	Antibiotic β 4317	173075-46-2
Alteromonas rava	Antibacterial	Antibiotic β 4317	173075-46-2
Alteromonas rava	Antiinflammatory	Antibiotic β 4317	173075-46-2
Alteromonas rava	Siderophore	Antibiotic β 4317	173075-46-2
Alteromonas rubra aerobic marine bacterium	Antibacterial	Cycloprodigiosin	86797-91-3
Pseudoalteromonas denitrificans	Antifungal	Cycloprodigiosin	86797-91-3
Beneckea gazogenes	Immunosuppressant	Cycloprodigiosin	86797-91-3
Alteromonas rubra aerobic marine bacterium	Antiarteriosclerotic	Cycloprodigiosin	86797-91-3
Pseudoalteromonas denitrificans	Antiosteoporotic	Cycloprodigiosin	86797-91-3
Alteromonas sp.	Antimicrobial	NSC 646282	147024-96-2
Alteromonas sp., Streptomyces toyocaensis	Proteinase inhibitor	<i>N</i> -Acetylleucylvalylargininal	144205-96-9
Alteromonas sp. on sponge Halichondria okadaï	Cytotoxicity	Alteramide A	142131-06-4
Alteromonas sp. on sponge Halichondria okadaï	Anti-murine leukaemia P388 cells	Alteramide A	142131-06-4
Alteromonas sp. on sponge Halichondria okadaï	Anti-KB human epidermoid carcinoma cells	Alteramide A	142131-06-4
Alteromonas sp. D-12 (FERM P-15733)	Uv absorbant	Ulbactin E	213185-52-5
Alteromonas sp. D-12 (PERM P-15733)	Uv absorbant	Ulbactin D	213185-50-3
Althaea spp., Choerospondias axillaris, Glycyrrhiza sp., Helichrysum spp.	Aldose reductase inhibitor	Choerospondin	81202-36-0
Alvaradoa haitiensis	Apoptosis inducer	Alvaradoin E	872702-62-0
Alvaradoa haitiensis	Cytotoxic	Alvaradoin E	872702-62-0
Alyssum minimum, Wasabia japonica, conifers	Antifungal	7-(Methylthio)heptanenitrile	75272-78-5
Amanita castanopsidis	Plant growth inhibitor	2-Amino-5-chloro-4-pentenoic acid ($\pm$)(<i>Z</i>)	
Amanita castanopsidis	Plant growth inhibitor	2-Amino-3-cyclopropylbutanoic acid	

Amanita muscaria	GABA_A agonist	5-(Aminomethyl)-3(2H)-isoxazolone	2763-96-4
Amanita muscaria	Used in neurochemical research	Pantherine	2763-96-4
Amanita muscaria	Insecticide against flies	Agarin	2763-96-4
Amanita muscaria	Cholinergic	Muscarine; (2S,4R,5S)-form	300-54-9
Various Inocybe	Potent extremely parasympathomimetic	Muscarine; (2S,4R,5S)-form	300-54-9
Various Inocybe	Causing hypotension, bronchoconstriction	Muscarine; (2S,4R,5S)-form	300-54-9
Boletus, Clitocybe spp.	Causing hypotension, bronchoconstriction	Muscarine; (2S,4R,5S)-form	300-54-9
Amanita muscaria	Narcotizing	Ibotenic acid (±)	60573-88-8
Amanita pantherina	CNS depressant	Ibotenic acid (±)	60573-88-8
Amanita strobiliformis	Psychomimetic	Ibotenic acid (±)	60573-88-8
Tricholoma muscarium	Pesticide	Ibotenic acid (±)	60573-88-8
Tricholoma muscarium	Aspartic acid receptor agonist	Ibotenic acid (±)	60573-88-8
Amanita phalloides	Antitoxic	Antamanide	16898-32-1
Amanita phalloides	Antitoxic	Antamanide	16898-32-1
Amanita phalloides	nullifies the effect of Phalloidin	Antamanide	16898-32-1
Amanita phalloides	Toxic haemolysin	Phallolysin	39412-56-1
Amanita phalloides	Potassium (Kv) channel blocker	Phalloidin	17466-45-4
Amanita verna, Amanita virosa	Pharmacological tool	Phalloidin	17466-45-4
Amanita pseudoporphyria	Antibacterial	2-Amino-4-chloro-4-pentenoic acid (S)	55528-30-8
Amanita pseudoporphyria	Antimetabolite	2-Amino-4-hepten-6-ynoic acid; (2S,4x)-form	98531-40-9
Amanita pseudoporphyria, Amanita abrupta	Antimetabolite	2-Amino-4-pentenoic acid (S)	16338-48-0
Amanita pseudoporphyria, Amanita abrupta	Anti- <i>E. coli</i>	2-Amino-4-pentenoic acid (S)	16338-48-0
Amanita pseudoporphyria, Amanita abrupta	Anti- <i>Saccharomyces</i>	2-Amino-4-pentenoic acid (S)	16338-48-0
Amanita pseudoporphyria, Amanita abrupta	Yeasts inhibitor	2-Amino-4-pentenoic acid (S)	16338-48-0
Amanita pseudoporphyria, Amanita abrupta	Protein synthesis inhibitor	2-Amino-4-pentenoic acid (S)	16338-48-0
Amanita solitaria, Amanita spp.	Hypoglycaemic	2-Amino-4,5-hexadienoic acid (S)	22260-39-5
Amanita solitaria, Amanita spp.	Causes respiratory depression	2-Amino-4,5-hexadienoic acid (S)	22260-39-5
Amanita vergineoides, Amanita castanopsidis	Inhibits root elongation in lettuce seedlings	2-Amino-5-chloro-4-pentenoic acid; (2S,4Z)-form	167613-13-0
Amanita virgineoides	Antifungal. Phytotoxin	2-Amino-3-cyclopropylpropanoic acid (S)	102735-53-5
Amanita virgineoides	Antifungal	2-Amino-3-cyclopropylpropanoic acid (S)	102735-53-5
Amanita virosa	Potent, specific β-D-glucuronidase inhibitor	3,4-Dihydroxy-2-pyrrolidinecarboxylic acid	74644-88-5
Amaranthus caudatus	Antimicrobial	<i>Amaranthus caudatus</i> Antimicrobial peptides	

<i>Amaranthus caudatus</i>	Antifungal	<i>Amaranthus caudatus</i> Antimicrobial peptides	
Amaroucium multiplicatum	Cytotoxic significantly	2-(3-Hydroxy-3,7-dimethyl-6-octenyl)-1,4-benzenediol	124596-53-8
Tunicate Aplidium savignyi	Antioxidative significantly	2-(3-Hydroxy-3,7-dimethyl-6-octenyl)-1,4-benzenediol	124596-53-8
Amaryllis belladonna, spp. in Amaryllidaceae	Convulsant, hypotensive, acetylcholinesterase inhibitor	Caranine	477-12-3
Amaryllis belladonna, spp. in Amaryllidaceae	Cytotoxic to P388 sarcoma cells in vitro, no in vivo	Belamarine Bellamarine Acetylcaranine	14383-07-4
Amathia alternata	Antibacterial moderately	Alternatamide B	191212-58-5
Amathia convoluta	Murine P388 lymphocytic leukaemia inhibitor	Bryostatin 8	102580-64-3
Amathia convoluta	Antifeedant to hydroid larvae	Volutamide C	176181-97-8
Amathia convoluta	Cell differentiation inhibitor	Convolutamydines; Convolutamydine D	163564-94-1
Amathia convoluta	Cell differentiation inhibitor	Convolutamydines; Convolutamydine A	163564-85-0
Amathia convoluta	Growth inhibitor	Convolutamydines; Convolutamydine D	163564-94-1
Amathia convoluta	Growth inhibitor	Convolutamydines; Convolutamydine A	163564-85-0
Amathia convoluta	Cytotoxicity	Convolutamide A	158182-21-9
Amathia convoluta	Anti- L1210 murine leukaemia cells	Convolutamide A	158182-21-9
Amathia convoluta	Anti-KB human epidermoid carcinoma cells	Convolutamide A	158182-21-9
Amathia convoluta	Cytotoxicity	Convolutamine D	161099-53-2
Amathia convoluta	Cytotoxicity	Convolutamine A	161099-50-9
Amathia convoluta	Cytotoxicity	Convolutamine B	161099-51-0
Amathia convoluta	Anti-murine P388 lymphocytic leukaemia	Convolutamine D	161099-53-2
Amathia convoluta	Anti-murine P388 lymphocytic leukaemia	Convolutamine A	161099-50-9
Amathia convoluta	Anti-murine P388 lymphocytic leukaemia	Convolutamine B	161099-51-0
Amathia wilsoni	Biosynthetic precursor to the Amathamide alkaloids	2,4-Dibromo-5-methoxybenzeneethanamine	121135-06-6
Amauroascus aureus	Antitumor	1,2:8,9-Dianhydrononitol	108354-43-4
Amauroascus niger	Inhibitor of squalene synthase	Zaragozic acid D ₂	155179-15-0
Amauroascus niger	Farnesyl-protein transferase inhibitor	Zaragozic acid D	155179-14-9
Amauroascus niger	Farnesyl-protein transferase inhibitor	Zaragozic acid D ₂	155179-15-0
Amauroascus niger	Inhibitor of squalene synthase	Zaragozic acid D	155179-14-9
Amauroascus sp.	Hypotensive vasodilator	Amauromine	88360-87-6
Penicillium nigricans	Gastric juice secretion inhibitor	Amauromine	88360-87-6
Amauroascus sp.	Calcium channel blocker	Antibiotic WF 6237	88360-87-6
Amberboa sp., Ipomoea cairica, Arctium sp.	Anti-HIV	Trachelogenin	34209-69-3

Saussurea sp., Trachelospermum sp.	Antihypertensive	Trachelogenin	34209-69-3
Amblyomma testindinarium	Opioid peptide	Amblyomma testindinarium Opioid peptide	
Amblyosporium spongiosum	Gram-positive bacteria inhibitor	Antibiotic 8006I	82029-16-1
Ambrosia artemisiifolia	Endogenous neurotransmitter	(4-Aminobutyl)guanidine	306-60-5
Sea anemone Anthopleura japonica	Inhibits hyperalgesia	4-Guanidinobutylamine	306-60-5
Herring semen (Clupea sp.. Stichopus japonicus)	Tolerance to morphine	Agmatine	306-60-5
Halocynthia roretzi, Crassostrea gigas	NMDA receptor antagonist	1-Amino-4-guanidinobutane	306-60-5
Tapes philippinarum, synthesis in mammalian brain	Nitric oxide synthase inhibitor	4-Guanidinobutylamine	306-60-5
Ambrosia spp., Centaurea serides	Antineoplastic	Artemisiifolin	26931-87-3
Ambrosia confertiflora	Analogue for retinal activation of rhodopsin	3,7-Dimethyl-2,4,6-octatrienal	54631-71-9
Ambrosia confertiflora	Phototaxis	Ambrosial	54631-71-9
Ambrosia confertiflora	Antineoplastic	Tamaulipin B	18045-83-5
Ambrosia confertiflora	Antineoplastic	Tamaulipin A	19888-11-0
Ambrosia confertiflora	Antineoplastic	Deacetylconfertiflorin	17066-68-1
Ambrosia confertiflora, Magnolia grandiflora, Tanacetum praeterium, Saussurea lappa	Antimycobacterial	Reynosin	28254-53-7
Ambrosia confertiflora, Magnolia grandiflora, Tanacetum praeterium, Saussurea lappa	Inhibits CINC-1	Reynosin	28254-53-7
Ambrosia confertiflora, Magnolia grandiflora, Tanacetum praeterium, Saussurea lappa	Antiinflammatory,	Reynosin	28254-53-7
Ambrosia confertiflora, Magnolia grandiflora, Tanacetum praeterium, Saussurea lappa	Alcohol absorption anhibitor	Reynosin	28254-53-7
Ambrosia confertiflora, Magnolia grandiflora, Tanacetum praeterium, Saussurea lappa	Plateletaggregation Inhibitor	Reynosin	28254-53-7
Ambrosia cumanensis, Gynura elliptica, Gynoxys psilophylla	Anti-Plateletaggregation	6-Acetyl-2,2-dimethyl-4-chromanone	68799-41-7
Ambrosia deltoidea, Baccharis spp., Citrus sudachi, Mentha piperita, Micromeria chamissonis, Sideritis spp., Thymus spp.	Cytotoxic	Xanthomicrol	16545-23-6
Ambrosia elatior, Asterias pectinifera, Cucumaria sp.	Biosynthesis of steroids in the echinoderms	Lathosterol	80-99-9
Eupentacta fraudatrix, Bathyploetes natans, Holothuria nobilis, Holothuria scabra, Trochostoma orientale, Marthasterias glacialis, Henricia sanguinolenta , Psolus fabricii	Antimutagenic	g-Cholesterol	80-99-9
Ambrosia maritima, Hymenoclea salsola	Cytotoxic	Hymenin	20555-04-8
Ambrosia hispida, Ambrosia deltoidea	Antineoplastic	Damsin	1216-42-8
Ambrosia spp., Aspidia spp.	Antibacterial	Thiarubrin A	63543-09-9
Chaenactis sp., Schkuhria spp.	Antifungal	Thiarubrin A	63543-09-9

Verbesina spp.	Antiviral	Thiarubrin A	63543-09-9
Amburana cearensis, leaves of Origanum vulgare	Antioxidant	Amburoside A	110978-35-3
Baikiaea plurijuga, Caesalpinia tinctoria, red algae, red seaweeds, Russula subnigricans	Neurotransmission inhibitor	1,2,3,6-Tetrahydro-2-pyridinecarboxylic acid (S)	31456-71-0
Amolops loloensis	Antimicrobials	Temporin AL	
Amolops loloensis	Antimicrobials	Brevinin AL	
Amomum aculeatum	Antiprotozoal	Aculeatin C	326794-07-4
Amomum aculeatum	Cytotoxic	Aculeatin A	326794-05-2
Amomum aculeatum	Cytotoxic	Aculeatin A; 4-Epimer	366477-34-1
Amomum globosum, Comptonia peregrina, Scutellaria baicalensis. hydrolysed soy protein	flavoring ingredient	4-Phenyl-3-buten-2-one	122-57-6
Amomum tsao-ko	Antifungal	Tsaokoin; 3a,7 α -Diepimer	
Amoora cucullata	Cytotoxic	3'-Hydroxyrocagloic acid	917393-85-2
Amoora cucullata	Cytotoxic	1-O-Formylrocagloic acid	917393-83-0
Stem bark of Dysoxylum binectariferum	Antiinflammatory	Rohitukine	71294-60-5
Schumanniohyton magnifium, Amoora rohituka	immunomodulatory	Rohitukine	71294-60-5
Amorpha californica, Baptisia australis, Dalbergia spruceana, Sophora franchetiana, Swartzia madagascariensis, Tephrosia bidwilli, Trifolium hybridum	Antifungal	4-Methoxymaackiain	2694-69-1
Amorpha fruticosa	Cytotoxic	Amorphispironone	139006-28-3
Amorpha fruticosa	Sedative	Amorphin	4207-90-3
Amorpha fruticosa	Antimicrobial somewhat	Amorfrutin B	78916-42-4
Amorpha fruticosa, aerial parts of Glycyrrhiza acanthocarpa	Antibacterial somewhat	Amorfrutin A	80489-90-3
Amorpha fruticosa, Amorpha nana	Antimicrobial	Amorphastilbol	72165-33-4
Ampelocissus sp.	Cytotoxic	22-Epicalamistrin B	1007862-51-2
Ampelomyces sp., Endothia parasitica	Phytotoxin	Diaporthin (S)	10532-39-5
Ampelopsis brevipedunculata var. hancei, Hopea parviflora	Cytotoxic	Ampelopsin A (+)	130608-11-6
Amphicarpa meridiana, marine sponge Corticium sp.	Cytotoxic	Meridine	129722-90-3
Amphicarpa meridiana, marine sponge Corticium sp.	Antifungal	Meridine	129722-90-3
Amphidinium klebsii	Antifungal	Amphidinol	132930-70-2
Amphidinium klebsii	Haemolytic	Amphidinol 2	168788-68-9
Amphidinium klebsii	Algicide	Amphidinol 2	168788-68-9
Amphidinium klebsii	Antifungal	Amphidinol 2	168788-68-9
Amphidinium sp.	Antifungal	Karatungiol A	
Amphidinium sp.	Antineoplastic	Amphidinolide C	112945-21-8
Amphidinium sp.	ATP-ase activator	Amphidinolide C	112945-21-8
Amphidinium sp.	Antitumor	Amphidinolide B	110786-78-2

Amphidinium sp.	Cytotoxic	Lingshuiol	
Amphidinium sp.	Cytotoxic	Amphidinolide Y	635728-51-7
Amphidinium sp.	Cytotoxic	Amphidinolide V	262853-42-9
Amphidinium sp.	Cytotoxic	Amphidinolide C ₂	
Amphidinium sp.	Cytotoxic	Amphidinolide B ₇	958877-74-2
Amphidinium sp.	Cytotoxic	Amphidinolide B ₆	958877-72-0
Amphidinium sp.	Cytotoxic	Amphidinolide B ₄	
Amphidinium sp.	Cytotoxic	Amphidinolide B ₅	
Amphidinium sp.	Cytotoxic	Amphidin A	158761-10-5
Amphidinium sp.	Cytotoxic	Amphidinolide P	167568-92-5
Amphidinium sp.	Cytotoxic	Amphidinolide N	157207-92-6
Amphidinium sp.	Cytotoxic	Amphidinoketide I	162413-57-2
Amphidinium sp.	Cytotoxic	Amphidinolide M	157676-93-2
Amphidinium sp.	Cytotoxic	Amphidinolide B ₃	155683-57-1
Amphidinium sp.	Cytotoxic	Amphidinolide B ₂	155683-56-0
Amphidinium sp.	Cytotoxic	Amphidinolactone A	942145-76-8
Amphidinium sp.	Cytotoxic	Amphidinoketide II	162413-58-3
Amphidinium sp. (strain HYA024)	Cytotoxic	Iriomoteolide 1c	957109-95-4
Amphidinium sp. (strain HYA024)	Cytotoxic	Iriomoteolide 1a	944272-13-3
Amphidinium sp. (Y-5 strain)	Cytotoxic	Amphidinolide Q	174545-77-8
Amphidinium sp. Amphiscolops magniviridis	Cytotoxic	Amphidinolide F	139594-87-9
Amphidinium sp. Amphiscolops sp.	Cytotoxic	Amphidinolide L	156192-11-9
Amphidinium sp., Amphiscolops sp.	Antitumor	Amphidinolide H	134781-24-1
		Amphidinolide H ₁	
Amphidinium sp., Amphiscolops sp.	Antitumor	Amphidinolide D	121350-99-0
Amphidinium sp. associated with Amphiscolops sp.	Cytotoxic	Amphidinolide T ₁	
Amphidinium sp. associated with platyhelminth Amphiscolops sp.	Cytotoxic	Amphidinolide O	167568-91-4
Amphidinium sp. platyhelminth Amphiscolops	Cytotoxic	Amphidinolide J	147714-56-5
Amphidinium sp. platyhelminth Amphiscolops	Cytotoxic	Amphidinolide G ₁	134781-23-0
Amphidinium sp. S1-36-5	Cytotoxic	Caribenolide I	161505-24-4
Amphidinium sp. strain HYA024	Cytotoxic	Iriomoteolide 3a	1009815-99-9
Amphidinium sp. on Amphiscolops sp.	Cytotoxic	Amphidinolide W	
Amphidinium sp. on Amphiscolops sp.	Antineoplastic	Amphidinolide A	106463-75-6
Amphidinium sp. on Pseudaphanostoma luteocoloris	Phycotoxin	Luteophanol A	184024-71-3
Amphimedon complanata	Cytotoxic	2-Methoxy-13-methyltetradecanoic acid	333974-37-1
Amphimedon complanata. Sporothrix flocculosa	Antifungal	9-Heptadecenoic acid (Z)	1981-50-6
Amphimedon compressa	Antibacterial	8,8'-Dienecyclostelletamine	955032-30-1

Amphimedon sp.	Anti-mycobacterium tuberculosis (H37Rv)	1,2,3,4-Tetrahydromanzamine B	
Amphimedon sp.	Antimycobacterial	3,4-Dihydromanzamine J	208392-24-9
Amphimedon sp.	Antimalarial	Manzamine G 8-Hydroxymanzamine A	154466-37-2
Amphimedon sp.	Cyclin-dependent kinase inhibitor	Nakadomarin A	199483-01-7
Amphimedon sp.	Cytotoxic	Tetradehydrohalicyclamine A	
Amphimedon sp.	Cytotoxic	Amphimedeside E	915722-06-4
Amphimedon sp.	Cytotoxic	Amphimedeside C	915722-04-2
Amphimedon sp.	Cytotoxic	Amphimedeside B	915722-03-1
Amphimedon sp.	Cytotoxic	Amphimedeside A	915721-96-9
Amphimedon sp.	Cytotoxic	Pyrinodemin A	
Amphimedon sp.	Cytotoxic	Pyrinodemin D	292041-83-9
Amphimedon sp.	Cytotoxic	Pyrinodemin C	292041-82-8
Amphimedon sp.	Cytotoxic	Pyrinodemin B	292041-81-7
Amphimedon sp.	DNA topoisomerase I inhibitor	Amphimic acid A	195305-03-4
Amphimedon sp.	DNA topoisomerase inhibitor	Amphimic acid B	195305-10-3
Amphimedon sp.	Anti-Mycobacterium tuberculosis (H37Rv) strongly	3,4-Dihydro-6-hydroxymanzamine A	208392-25-0
Amphimedon sp. (SS-1059)	Cytotoxic	Nakinadine C (S)	1021486-53-2
Amphimedon sp. (SS-1059)	Cytotoxic	Nakinadine B (S)	1021487-41-1
Amphimedon sp., Haliclona sp.	Cytotoxic	Halicyclamine A	156280-95-4
Amphimedon sp., Haliclona sp.	Antibacterial	6-Hydroxymanzamine A	162465-79-4
Amphimedon sp., Haliclona sp.	Cytotoxic against L-1210, KB cells	Manzamine Y	162465-79-4
Amphimedon sp., Haliclona sp.	Potent anti-Mycobacterium tuberculosis (H37Rv)	6-Hydroxymanzamine A	162465-79-4
Amphimedon sp. of Pacific sponge	Cytotoxic	Amphimedine	86047-14-5
Xestospongia carbonaria	Topoisomerase II inhibitor	Amphimedine	86047-14-5
Amphimedon sp. or Xestospongia sp.	Cytotoxics	Hachijodines	
Amphimedon spp.	Nematocide	Amphilactam A	221465-59-4
Amphiporus angulatus	Neurotoxin	Nemertelline	59697-14-2
Amphiuma tridactylum	Neuropeptide	DNPSVGQFYGLM amide	165171-19-7
Ampullariella regularis	Antitumor	Neplanocin A	72877-50-0
Ampullariella regularis	Antiviral	Viriplanin	
Ampullariella regularis	Weak Antitumor	Neplanocin D	72877-47-5
Ampullariella regularis	Anti-phytopathogenic	Neplanocin C	72877-48-6
Ampullariella regularis	Antifungi	Neplanocin C	72877-48-6
Ampullariella regularis	Antitumor weakly	Neplanocin B	72877-49-7
Ampullariella regularis A11079	Weak Antitumor	Neplanocin F	72877-51-1
Ampullariella regularis subsp. manitophila	Yeasts inhibitor	Candiplanecin	79620-36-3
Ampulliferina-like fungus	Plant growth regulator	Dihydroampullicin	149182-93-4

Amsonia brevifolia (Apocynaceae)	Cytotoxic	17-Demethoxyisorhynchophylline	94482-54-9
Amsonia brevifolia (Apocynaceae)	Cytotoxic	17-Demethoxycorynoxine B	119365-65-0
Amsonia angustifolia, Voacanga africana	hypotensive (ca. 25% of Reserpine	Tabersonine	4429-63-4
Amsonia tabernaemontana, Rhazya stricta, Aspidosperma excelsum	Antiseptic	Decarbomethoxytetrahydros ecamine	56842-20-7
Amycolatopsis azurea	Antifungal	Octacosamicin B	120527-86-8
Amycolatopsis azurea	Antifungal	Octacosamicin A	120527-85-7
Amycolatopsis fastidiosa, Nocardia sp.	Gram-positive bacteria inhibitor	Nocathiacin I	214044-52-7
Amycolatopsis fastidiosa MA7732	Gram-positive bacteria inhibitor	Thiazomycin	905946-70-5
Amycolatopsis mediterranei	Immunosuppressant	Dethymicin	146259-43-0
Amycolatopsis orientalis	Gram-positive bacteria inhibitor	Antibiotic M43B	99776-55-3
Amycolatopsis orientalis	Gram-positive bacteria inhibitor	Antibiotic M43A	99759-15-6
Amycolatopsis orientalis	Gram-positive bacteria inhibitor	Antibiotic M43C	99759-14-5
Amycolatopsis orientalis	Gram-positive bacteria inhibitor	Antibiotic MM 49721	126985-52-2
Amycolatopsis orientalis	Gram-positive bacteria inhibitor	56-Methylvancomycin	99759-13-4
Amycolatopsis orientalis	Anti-Treponema hyodysenteriae	Antibiotic UK 69753	118117-42-3
Amycolatopsis orientalis	Antimicrobial	A 59770A	135589-03-6
Amycolatopsis orientalis	rodenticide	A 59770A	135589-03-6
Amycolatopsis orientalis	Antiviral	Quartromicin A ₂	136765-20-3
Amycolatopsis orientalis	Antiviral	Quartromicin D₂	
Amycolatopsis orientalis	Antiviral	Quartromicin A ₃	136765-21-4
Amycolatopsis orientalis	Antiviral	Quartromicin A₁	
Amycolatopsis orientalis	Antiviral	Quartromicin D₁	
Amycolatopsis orientalis	Antiviral	Quartromicin D₃	
Amycolatopsis orientalis, Kibdelosporangium deccaensis	Gram-positive bacteria inhibitor	Decaplanin	128441-18-9
Amycolatopsis orientalis ATCC 43491	Antibacterial	Antibiotic ECO 0501	848087-04-7
Amycolatopsis orientalis vinearia	Antitumor	Antibiotic BE 7585A	131170-13-3
Amycolatopsis orientalis vinearia	Vasodilatory	Antibiotic BE 7585A	131170-13-3
Amycolatopsis orientalis vinearia	Thymidylc acid synthetase inhibitor	Antibiotic BE 7585A	131170-13-3
Amycolatopsis orientalis vinearia	Endothelin antagonist	Antibiotic BE 7585A	131170-13-3
Amycolatopsis sp.	Gram-positive bacteria inhibitor	Antibiotic MM 55268	137053-19-1
Amycolatopsis sp.	Gram-positive bacteria inhibitor	Antibiotic MM 55266	137053-20-4
Amycolatopsis sp.	Antimicrobial	Azicemicin B	162857-75-2
Amycolatopsis sp.	Antimicrobial	Azicemicin A	154163-93-6
Amycolatopsis sp.	Plant-growth regulator	2,4-Decadienamide	149764-39-6
Amycolatopsis sp.	Antibacterial	Ochracenicin A	164230-62-0
Amycolatopsis sp. MI 481-42F4	Gram-positive bacteria inhibitor	Amythiamicin D	156620-46-1
Amycolatopsis sp. MI 481-42F4	Gram-positive bacteria inhibitor	Amythiamicin C	156620-47-2
Amycolatopsis sp. MI 481-42F4	Gram-positive bacteria inhibitor	Amythiamicin B	156620-48-3
Amycolatopsis sp. MI 481-42F4	Gram-positive bacteria inhibitor	Amythiamicin A	152741-89-4
Amycolatopsis sp. MJ347-81F4	Gram-positive bacteria inhibitor	Antibiotic MJ 347-81F4-B	214044-53-8

Amycolatopsis sp. MJ66-59F3	Antibacterial	Spiroxicin	208337-69-3
Amycolatopsis sp. MK299-95F4	Inhibitor of histidine decarboxylase	Epoxyquinomicin C	200496-85-1
Amycolatopsis sp. MK299-95F4	Anti-gram-positive bacteria moderately	Epoxyquinomicin A	175448-31-4
Amycolatopsis sp. MK299-95F4	Anti-gram-positive bacteria moderately	Epoxyquinomicin B	175448-32-5
Amycolatopsis sp. MK299-95F4	Anti-Pasteurella sp.	Epoxyquinomicin A	175448-31-4
Amycolatopsis sp. MK299-95F4	Anti-Pasteurella sp.	Epoxyquinomicin B	175448-32-5
Amycolatopsis sp. NCIB40086	Gram-positive bacteria inhibitor	Antibiotic MM 55272	130151-84-7
Amycolatopsis sp. NCIB40086	Gram-positive bacteria inhibitor	Antibiotic MM 55271	130151-83-6
Amycolatopsis sp. NCIB40086	Gram-positive bacteria inhibitor	Antibiotic MM 55270	130151-82-5
Amycolatopsis sp. NCIB40089	Antibacterial	Antibiotic MM 56597	139039-09-1
Amycolatopsis sp. SF 2748	Antibacterial	12-Deoxymegalomicin A	150671-06-0
Amycolatopsis sp. SF2748	Antibacterial	Antibiotic SF 2748	
Amycolatopsis sp. ST101170	Gram-positive bacteria inhibitor	Amycomycin	344362-08-9
Amycolatopsis sp. TA 0234	Antifungal	Antibiotic AF 140	157375-70-7
Amycolatopsis sp. TA 0234	Cytotoxic	Antibiotic AF 140	157375-70-7
Amycolatopsis sp. Y-86, 21022	Gram-positive bacteria inhibitor	Balhimycin	140932-79-2
Amycolatopsis trehalostatica, Micromonospora strain	Potent, specific inhibitor of trehalase	Trehalostatin	132729-37-4
Amycolatopsis trehalostatica, Micromonospora sp.	Anti-blowfly (Aldrichna grahami)	Trehalostatin	132729-37-4
Amyris texana (Rutaceae)	Antimycobacterial	Texaline	115070-72-9
Casuarina stricta, Stachyurus praecox, Quercus sessiliflora, Alnus sieboldiana	Cytotoxic	Pedunculagin	7045-42-3
Anabaena affinis	Cytotoxic	9-Deazaadenosine	77691-03-3
Anabaena affinis	Molluscicide	9-Deazaadenosine	77691-03-3
Anabaena BQ-16-1	Cardioactive	Puwainaphycin D	121596-41-6
Anabaena BQ-16-1	Potent positive inotropic	Puwainaphycin C	121596-40-5
Anabaena circinalis Lake Kasumigaura, Japan	Papain inhibitor	Circinamide	190271-96-6
Anabaena cylindrica	Trypsin inhibitor	5,6-Didehydroradiosumin	208925-57-9
Anabaena cylindrica CCAP 1403/2A	Siderophore	Anachelin H	326490-92-0
Anabaena cylindrica NIES-19	Siderophore	Anachelin 2	387816-76-4
Anabaena cylindrica strains NIES-19, CCAP 1403/2A	Siderophore	Anachelin 1	326490-91-9
Anabaena flos-aquae, Microcystis aeruginosa	Protein phosphatase inhibitor	Microcystin F	120011-66-7
Anabaena flos-aquae, Hydra vulgaris, Ehretia dicksonii	Antiinflammatory	9-Hydroxy-10,12,15-octadecatrienoic acid	133397-71-4
Anabaena flos-aquae, Oscillatoria spp.	Depolarising	Anatoxin a; (+)(HCl)-form	64285-06-9
Aphanizomenon flos-aquae, Cylindrospermum sp.	Potent nicotinic acetylcholine receptor agonist	Anatoxin a; (+)(HCl)-form	64285-06-9
Anabaena flos-aquae NRC525.17	Potent neurotoxin with anticholinesterase	Anatoxin a(s)	103170-78-1
Anabaena laxa	Antifungal	Laxaphycin E	144941-11-7
Anabaena laxa	Antifungal	Laxaphycin D	144941-10-6
Anabaena laxa	Antifungal	Laxaphycin C	144941-09-3
Anabaena laxa	Cytotoxic	Laxaphycin C	144941-09-3

Anabaena laxa	Antifungal	Laxaphycin B	144941-08-2
Marine cyanobacterium Lyngbya majuscula	Cytotoxic	Laxaphycin B	144941-08-2
Anabaena laxa, Lyngbya majuscula	Cytotoxic	Laxaphycin A	145680-51-9
Anabaena sp., Microcystis aeruginosa	Hepatotoxin	7-De- <i>N</i> -methylmicrocystin RR	131022-02-1
<i>Anabaena spiroides</i>	Cell growth inhibitor of <i>Microcystis aeruginosa</i>	<i>Spiroidesin</i>	
Anabasis aphylla, Nicotiana tabacum, Aphaenogaster spp., Messor spp.	Insecticide. Now superseded	3-(2-Piperidinyl)pyridine (S)	494-52-0
Anacardium occidentale	Molluscicide	3-(8-Pentadecenyl)phenol	501-26-8
Cashew nut	Antineoplastic	3Cardanol_{15:1}	501-26-8
Fruit of Ginkgo biloba	Cytotoxic	Anacardol	501-26-8
Ginkgo	Phosphatidyl-inositol-specific phospholipase Cg1 inhibitor	Ginkgol	501-26-8
Ginkgo biloba	Inhibitor of phosphatidyl-inositol-specific phospholipase (PI-PLCg1)	Cardanol C_{15:0}	501-24-6
Anacystis nidulans	Photosynthetic pigment	Chlorophyll a	479-61-8
<i>Anadara granosa</i>	<i>Galactosyl-binding lectin</i>	<i>Anadara granosa</i> Lectins; <i>Anadarin P</i>	
<i>Anadara granosa</i>	<i>N-Glycolylneuraminic acid-specific lectin</i>	<i>Anadara granosa</i> Lectins; <i>Anadara Foot lectin</i>	
Anagallis arvensis, Luffa acutangula, Luffa graveolens, Luffa echinata, Echinocystis fabacea, Iberis spp., Cucurbitaceae fruits, Begonia tuberhybris-alba, Bryonia alba	Potent laxative	Amarin	6199-67-3
Citrullus colocynthis, Cucurbita digitata, Marah oreganus, Datisca glomerata, Ipomopsis aggregata, Cucumis prophetorum, Helicteres isola, Picrorhiza kurroda, Gonystylus keithii, Trichosanthes kirilowii	Immunomodulator	Cucurbitacin B	6199-67-3
Anagallis monelli	<i>Antioxidant</i>	Zinolol	942626-27-9
Anagallis monelli	Antioxidant, mutagenic	Zinolol	942626-27-9
Anagyris foetida	Antiarrhythmic	Anagyrene	486-89-5
Cytisus, Genista, Lupinus spp.	Diuretic	Anagyrene	486-89-5
Sophora, Ammodendron spp.	Purgative	Anagyrene	486-89-5
Ulex europaeus, Ulex nanus	Cardiotonic	Anagyrene	486-89-5
Templetonia retusa	Tachycardia inducer	Rhombinine	486-89-5
Thermopsis chinensis	Crooked calf disease caused by this major toxic alkaloid in leguminous plants	Monolupine	486-89-5
Analipus japonicus	Precursor of algal sex attractants	3,6,9-Dodecatienoic acid (<i>all-Z</i>)	92340-48-2
Analipus japonicus, Laminaria ochroleuca, Sargassum thunbergii, Ecklonia bicyclis, Himanthalia elongata, Bifurcaria bifurcata, Cystoseira tamariscifolia, Cystophora congesta, Sargassum muticum	Antioxidant	Diphlorethol	61237-21-6

Menispermum cocculus	Potent nonspecific CNS stimulant	Picrotoxin	124-87-8
Anamirta cocculus	GABAA-receptor antagonist	Cocculin	124-87-8
Menispermum cocculus	Anticonvulsant	Picrotoxin	124-87-8
Anamirta cocculus	Antiepileptic	Cocculin	124-87-8
Menispermum cocculus	Used in neurochemical research	Picrotoxinin; compound with Picrotin	124-87-8
Anamirta cocculus, Menispermum cocculus	Ichthyotoxin	Picrotoxinin	17617-45-7
Demosponge Spirastrella inconstans	Potent convulsant drug	Picrotoxinin	17617-45-7
Anamirta cocculus, Menispermum cocculus	GABA_A receptor antagonist	Picrotin	21416-53-5
Picrotoxin. marine sponge Spirastrella inconstans	Convulstant but less active than Picrotoxinin	Picrotin	21416-53-5
Ananas comosus (pineapple), Triticum vulgare, Gomphrena globosa, Dianthus caryophyllus	Lipoxygenase inhibitor	Terrestribisamide	42369-86-8
Tribulus terrestris, Vicia faba, Lycopersicon esculentum (tomato), Nandina domestica, Petunia sp., Nicotiana tabacum. corn bran (Zea mays)	Antioxidant	N¹,N⁴-Diferuloylputrescine	42369-86-8
Ananas comosus pineapple leaf, Ajuga remota, sponge Axinella cannabina, crinoid Gymnocrinus richeri	Anti-mycobacterium tuberculosis	Ergosterol peroxide	2061-64-5
Typha latifolia, Ascidia nigra, Dendrogyra cylindrus, Thalysias juniperina, lichens Peltigera aphthosa, Peltigera dolichorrhiza, fungi, lichens.	Antitumor	5a,8a-Peroxyergosterol	2061-64-5
Pineapple, melon, naranjila fruit	flavoring ingredient	FEMA 2720	13532-18-8
Pineapple, melon, passion fruit, fruits	flavoring ingredient	FEMA 3343	13327-56-5
Ananas sativus Enzymes stem tissue, fruit juice	Antiinflammatory	Bromelains	9001-00-7
Ananas sativus Enzymes stem tissue, fruit juice	Antioedemic	Ananase	9001-00-7
Ananas sativus Enzymes stem tissue, fruit juice	Anticoagulant	Bromelase	9001-00-7
Ananas sativus Enzymes stem tissue, fruit juice	Nematocidal	Extranase	9001-00-7
Ananas sativus Enzymes stem tissue, fruit juice	Proteolytic	E.C. 3.4.22.33 (fruit bromelain)	9001-00-7
Anaphalis contorta, Anaphalis lactea	Antibacterial, Antiinflammatory	5,7-Dihydroxy-1(3H)-isobenzofuranone	27979-58-4
Helichrysum arenarium	Antiinflammatory	5,7-Dihydroxyphthalide	27979-58-4
Anaptychia obscurata	Antibacterial	Flavoobscurin A	20516-32-9
Anaptychia, lichens, Lecanora, Parmelia, Nephroma, Placodium spp. Iris missouriensis, Bacidia stipata, Plagiochasma rupestre, Adiantum edgeworthii, Reboulia hemisphaerica, Arenaria kansuensis, Physcia biziana, Tripterygium regelii	Antimycobacterial	Zeorin	22570-53-2

Anastatica hierochuntica	Hepatoprotectant	Anastatin B (S)	
Anastatica hierochuntica	Hepatoprotectant	Anastatin A (S)	
Anax imperator	Role in lipid release during flight	Anax imperator Adipokinetic hormone	154512-22-8
Anchinoe paupertas	Cytotoxic	2-Amino-1 <i>H</i> -imidazo[4,5- <i>b</i>]pyrazine	
Anchinoe paupertas	Anti-Candida	1 <i>H</i> -Imidazo[4,5- <i>b</i>]pyrazin-2-amine	
Anchinoe paupertas	Anti-bacteria	Zarzissine	
Anchinoe paupertas	Antitumor	Zarzissine	
Ancistrocladus abbreviatus	Anti-HIV	Michellamine (1 <i>R</i> ,1" <i>R</i> ,3 <i>R</i> ,3" <i>R</i> ,5 <i>R</i> ,5" <i>S</i>)	137893-48-2
Ancistrocladus korupensis	Anti-HIV	Michellamine A	137793-81-8
Ancistrocladus abbreviatus	cytopathic	Michellamine B	137893-48-2
Ancistrocladus korupensis	cytopathic	Michellamine A	137793-81-8
Ancistrocladus guineensis, Ancistrocladus tectorius	Antimalarial	Ancistrotectorine	98985-59-2
Ancistrocladus heyneanus	Antimalarial	Ancistroheynine A	185417-34-9
Ancistrocladus heyneanus, Ancistrocladus congolensis, Ancistrocladus hamatus, Ancistrocladus tectorius	Antimalarial	Ancistrocladine	32221-59-3
Ancistrocladus korupensis	Antimalarial	Yaoundamine B	188131-26-2
Ancistrocladus korupensis	Antimalarial	Korundamine A	212957-33-0
Ancistrocladus korupensis	Cytotoxic	Korundamine A	212957-33-0
Ancistrocladus korupensis (Ancistrocladaceae)	Anti-HIV	Michellamine C	143168-23-4
Ancistrocladus korupensis (Ancistrocladaceae)	cytopathic	Michellamine C	143168-23-4
Ancistrocladus korupensis (Ancistrocladaceae)	Antimalarial	Korupensamine B	158252-04-1
Ancistrocladus korupensis (Ancistrocladaceae)	Antimalarial	Korupensamine A	158182-18-4
Ancistrocladus korupensis (Ancistrocladaceae)	Antimalarial	Korupensamine E	
Ancistrocladus korupensis (Ancistrocladaceae)	Antimalarial	Yaoundamine A	188417-17-6
Ancorina sp., Penares sollasi	Blastulation inhibition of starfish embryos specifically	Ancorinoside A	194426-98-7
Ancorina sp., Penares sollasi	MT1-matrix metalloproteinase inhibitor	Ancorinoside A	194426-98-7
Ancylostoma caninum	Anticoagulant	Ancylostoma caninum Anticoagulant protein	174597-56-9
Ancylostoma canium	Inhibits blood coagulation factor Xa	Recombinant nematode anticoagulant peptide	
Ancylostoma canium	Anticoagulant	Recombinant nematode anticoagulant peptide	
Androctonus australis	Antibacterial	Androctonin	185377-61-1
Androctonus australis	Antibacterial	Buthinin	185463-98-3
Androctonus australis	Antimicrobial	Androctonus australis Defensin	185463-99-4

Androctonus australis	Insect toxin	<i>Androctonus australis</i> Neurotoxin IT	130300-71-9
Androctonus australis	Paralyses fly larvae	<i>Androctonus australis</i> Neurotoxin IT	130300-71-9
Androctonus mauretanicus mauretanicus	Inhibitor of neuronal BK-type calcium-activated potassium channels	Kaliotoxin	145199-73-1
Androcymbium gramineum, Androcymbium melanthioides, Colchicum spp., Bulbocodium vernum, Gloriosa superba, some other Gloriosa spp., Merendera caucasica, Merendera spp., Littonia modesta, Ornithoglossum viride, Sandersonia aurantiaca	Antineoplastic	3-Demethylcolchicine	7336-33-6
Andrographis paniculata	potent cell differentiation inducing on Mi cells	Andrographolide	5508-58-7
Andrographis paniculata	potent cell differentiation inducing on Mi cells	Andrographolide	5508-58-7
Andrographis paniculata	Antiinflammatory	Andrographolide	5508-58-7
Andrographis paniculata	ICAM-1 expression inhibitor	Andrographolide	5508-58-7
Aquatic plant Potamogeton natans	Antialgal	Neoandrographolide	27215-14-1
Andrographis paniculata	Antialgal	Andrographanin	82209-74-3
Aquatic plant Potamogeton natans	Antialgal	Andrograpanin	82209-74-3
Andromeda japonica, Rhododendron spp., Kalmia latifolia, Pityrogramma japonica, Lyonia spp.	Antioxidant	Asebotin	11075-15-3
Andropogon hallii, Andropogon scoparius, Rhododendron spp., tobacco	Antioxidant	10,12-Hentriacontanedione	58141-95-0
Anemarrhena asphodeloides	Hypoglycaemic	Anemarrhenasaponin IV	142759-74-8
Anemarrhena asphodeloides, Hypoxis nyasica	Estrogen agonist	Nyasol	
Anemarrhena asphodeloides, Hypoxis nyasica	Synergistic with azole Antifungal	Nyasol	
Anemarrhena asphodeloides rhizomes	Potent Cytotoxic	Timosaponin A3	41059-79-4
Anemia phyllitidis	Antheridium-inducing factor	Antheridic acid	34327-25-8
Anemone coronaria, Sapindus, Hedera, Astrantia spp.	Haemolytic	Hederin	27013-91-8
Anemone pulsatilla, Ranunculus japonicus, Helleborus orientalis, Pulsatilla patens	Antineoplastic	Anemonin	508-44-1
Ranunculus thora, Ranunculus acer, Clematis recta, Pulsatilla grandis	Antibacterial	Isomycin	508-44-1
Anemonia erythraea	Neurotoxins	Anemonia erythraea Neurotoxins	
Anemonia erythraea	Lethal to crabs	Anemonia erythraea Neurotoxins	
Anemonia sulcata	Antihypertensive	Blood depressing substances	
Anemonia sulcata	Antihypertensive	BDS	
Anemonia sulcata	K channel blocking toxin	Kalicludines	
Anemonia sulcata	Trypsin inhibitor	Kalicludines	

Anemonia sulcata	K ⁽⁺⁾ -channel-blocking toxin	Kaliseptine	171758-82-0
Anemonia sulcata	Proteinase inhibitor	SAI II	
Anemonia sulcata	Toxins	Anemonia sulcata Toxin	
Anemopaegma arvense, Trichilia catigua	Antioxidant	Catuabin A	1001609-86-4
Anethum graveolens, Carum carvi, Lippia carviodora, Orthodon carvoriferum (Mosla carvoriferum), Artemisia spp.	flavoring ingredient	p-Mentha-1,8-dien-6-one (S)	2244-16-8
Anethum sowa, Anethum graveolens, Bunium spp.	Synergist for pyrethrins	Dillapiole	484-31-1
Heckeria umbellata, Piper spp., Oenanthe stolonifera	Insecticidal Toxic to Artemia salino	Dillapiole	484-31-1
Aneura pinguis	insect Antifeedant	Pinguisone	22489-40-3
Angelica archangelica),, parsnips		2H-Furo[2,3-h][1]benzopyran-2-one	523-50-2
Diseased celery, Angelica spp, Heracleum spp.	Antifungal	Angelicin	523-50-2
Angelica acutiloba (Dong Dang Gui), Angelica gigas	Antitumor	Acutilobin	130848-06-5
Angelica anomala, Bupleurum falcatum	Hepatoprotective	Anomalin	4970-26-7
Musineon divaricatum	Nitric oxide production inhibitor	Anomalin	4970-26-7
Angelica archangelica	Sedative	Angelic acid	565-63-9
Angelica archangelica, Cimicifuga foetida, Eranthis pinnatifida	Antiinflammatory	Angelicain (S)	49624-66-0
Angelica carilaginomarginata	Antiinflammatory	Cartilaginomarginadin	113500-35-9
Angelica furcijuga	Antiallergic	Isoepoxybuterixin	113500-35-9
Peucedanum terebinthaceum	Hepatoprotective	Isoepoxypteryxin	113500-35-9
Angelica furcijuga, Peucedanum terebinthaceum	Nitric oxide production inhibitor	Cartilaginomarginadin	113500-35-9
Angelica decursiva, Angelica gigas	Antidiabetic	Decursin	5928-25-6
Angelica decursiva, Angelica gigas	Neuroprotectant	Decursin	5928-25-6
Angelica decursiva, Angelica gigas	Nephrotoxicity inhibitor	Decursin	5928-25-6
Angelica edulis	Antitumor-promoting	Edulisin V	158446-39-0
Angelica furcijuga	Antitumor	Hyuganoside IIIa	838845-07-1
Angelica furcijuga	Antitumor	Hyuganoside II	214778-45-7
Angelica furcijuga	Hepatoprotective	Hyuganin C	214778-43-5
Angelica furcijuga	Hepatoprotective	Terebinthacin A	214778-42-4
Angelica furcijuga	Nitric oxide production inhibitor	Terebinthacin C	214778-43-5
Angelica furcijuga	Nitric oxide production inhibitor	Hyuganin A	214778-42-4
Angelica furcijuga, Musineon divaricatum, Seseli seravschanicum, Seseli campestre, Peucedanum praeruptorum	Hepatoprotective	Hyuganin D	77331-76-1
Angelica gigas	Neuroprotectant	4-Hydroxytigloyldecursinol	
Angelica gigas	Neuroprotectant	4'-Hydroxydecursin	
Angelica gigas	Neuroprotectant	2S,3S-Epoxyangeloyldecursinol	

Angelica gigas	Neuroprotectant	2R,3R-Epoxyangeloyldecursinol	
Peucedanum wulongense, Smyrniopsis aucheri	Neuroprotectant	Decursinol	23458-02-8
Angelica glauca, Cnidium officinale rhizome	Acaricidal	3-Butylidene-1(3H)-isobenzofuranone (E)	76681-73-7
Angelica japonica	Antiproliferative	Japoangelol D	202747-21-5
Angelica pancicii, Heracleum sosnowskyi, Hippomarathrum caspicum, Ruta graveolens (rue), Ruta pinnata	Acts on HIV virus	Pabulenol (R)	33783-80-1
Angelica pancicii, Heracleum sosnowskyi, Hippomarathrum caspicum, Ruta graveolens (rue)	Antimycobacterial	Pabulenol (R)	33783-80-1
Angelica pubescens	Anticancer	Angelmarin	
Angelica root	flavoring	2,4-Dodecadienal; (2E,4E)-form	21662-16-8
Angelica archangelica	Odor musking	Oxacyclohexadecan-2-one	106-02-5
Angelica archangelica	Flavoring	15-Pentadecanolide	106-02-5
Angelica sinensis	Inhibits nitrendipine binding to Ca ²⁽⁺⁾ channels (IC ₅₀ = 40 n M)	3a,8':6,3'-Diligustilide	128718-46-7
Angelica sp., Aspalathus sp., Cynanchum sp., Lysimachia sp.	Used as fluorimetric detection	Resacetophenone	89-84-9
Angelica, Cnidium, Prangos spp.	Antispasmodic	Alloimperatorin	642-05-7
Angelica, Cnidium, Prangos spp.	Antibacterial	Alloimperatorin	642-05-7
Angelica, Eucalyptus, Lavandula spp.	Flavor ingredient	β-Phellandrene	555-10-2
Pinus and Mentha spp.	Kairomone for pine engraver Ips pini	β-Phellandrene	555-10-2
Angiococcus disciformis An d30	Gram-positive bacteria inhibitor narrowly	Angiolam A	99267-41-1
Angiococcus disciformis An d30	E. coli mutant strain inhibitor	Angiolam A	99267-41-1
Angiococcus disciformis, Nonomuraea pusilla	Siderophore	Myxochelin A	120243-02-9
Angostura paniculata (Rutaceae)	Molluscicidal moderately	Cuspanine	143438-94-2
Angostura paniculata (Rutaceae)	Cytotoxicity against several carcinoma cells	1-Hydroxy-2,3,5,6-tetramethoxyacridone	143438-94-2
Anguilla japonica	Natriuretic	<i>Anguilla japonica</i> Natriuretic factor	135493-52-6
Anguillospora longissima	Antibacterial, Antifungal	Anguillosporal (–)	169970-73-4
Angylocalyx pynaertii	β-Mannosidase inhibitor	1,2,5-Trideoxy-2,5-imino-D-glucitol	147060-64-8
Angylocalyx pynaertii, Scilla sibirica, Scilla socialis	Inhibitor of α-fucosidases	β-Homofuconojirimycin	
Anhalonium fissuratum	Diuretic	Hordenine	539-15-1
Hordeum vulgare (barley)	Disinfectant	Hordenine	539-15-1
Cactaceae, Amaryllidaceae, Gramineae	Antihypotensive (in large doses)	Hordenine	539-15-1
Leguminosae, algae, fungi	Used for treatment of dysentery	Hordenine	539-15-1
Marine alga, Phyllophora nervosa	Feeding repellent for grasshoppers	N,N-Dimethyltyramine	539-15-1
Aniba parviflora, Goniiothalamus umbrosus	anticancer	6-(2-Phenylethenyl)-2H-pyran-2-one (E)	32065-58-0

Aniba riparia	Antifungal	<i>N</i> -(2,6-Dihydroxybenzoyl)- <i>O</i> -methyltyramine	112356-54-4
Salvia albocaerulea	Spasmolytic	Riparin	112356-54-4
Aniba riparia	Smooth muscle relaxant	Riparin	112356-54-4
Anigozanthos preissii, Musa acuminata (dwarf banana) (Musaceae) infected with Fusarium oxysporum f. sp. cubense	Phytoalexin	Musanolone F	173560-66-2
Anigozanthos preissii, Anigozanthos rufus	Phytoalexin	Anigorufone	56252-32-5
Anigozanthos preissii, Anigozanthos rufus, Musa acuminata infected with Fusarium oxysporum	Phytoalexin	Hydroxyanigorufone	56252-02-9
Anigozanthos rufus, banana (Musa acuminata)	Phytoalexin	2-Phenylnaphthalic anhydride	56252-04-1
Animal tissues	DNA binding	Benzeneethanamine	64-04-0
Animal tissues	Monoamine oxidase inhibitor	2-Phenylethylamine	64-04-0
Anise, Gardenia, Western corn rootworms Diabrotica undecimpunctata, Diabrotica virgifera	Nematocide	<i>p</i>-Allylphenol	501-92-8
Anisocycla grandidieri, Albertisia papuana	Antitumor	Homotrilobine	26195-62-0
Cocculus pendulus, Stems, roots of Cocculus hirsutus	Anti-HeLa-S3 cells	<i>O</i>-Methylcocsuline	26195-62-0
Roots of Cocculus sarmentosus, Stephania hernandifolia	Anti-Ehrlich ascites	<i>N,O</i>-Dimethylcocsoline	26195-62-0
Pachygone pubescens, bark, trunk of Cocculus laurifolius	Antibacterial	Isotrilobine	26195-62-0
Anisocycla grandidieri, Pachygone ovata	Convulsive	Trilobine	6138-73-4
Cocculus spp., Stephania japonica	Antitumor against HeLa-S3 cells in vitro	Trilobine	6138-73-4
Annona aff. spraguei	Cytotoxic	3-(14,17:18,21-Diepoxydotriacontyl)-5-methyl-2(5<i>H</i>)-furanone; (16<i>S</i>,19<i>R</i>,20<i>R</i>,23<i>S</i>)-form, 10-<i>O</i>xo, 15<i>R</i>,24<i>S</i>-dihydroxy	212616-61-0
Annona atemoya (custard apple)	Cytotoxic	12,15- <i>cis</i> -Squamostatin D	
Annona atemoya (custard apple)	Cytotoxic	12,15- <i>cis</i> -Squamostatin A	
Annona atemoya (custard apple)	Cytotoxic	Atemoyacin B	164991-85-9
Annona bullata	ATP inhibitor	30-Hydroxybullatacin	169390-19-6
Annona bullata	Enzyme inhibitor	30-Hydroxybullatacin	169390-19-6
Annona bullata	Cytotoxic	Bullatalicinone	137043-93-7
Annona bullata	Cytotoxic	Bullatanocinone	
Annona bullata	Cytotoxic	Bullacin	152340-16-4
Annona bullata	Cytotoxic	12,15- <i>cis</i> -Bullatalicin	165172-07-6
Annona bullata	Enzyme inhibitor	32-Hydroxybullatacin	169390-17-4
Annona bullata	Enzyme inhibitor	31-Hydroxybullatacin	169390-18-5
Annona bullata, Uvaria narum	Cytotoxic	Uvariamicin IV	145066-20-2
Annona reticulata (custard apple), Annona squamosa (sugar apple)	Cytotoxic	Bullatacinone	123012-00-0

Annona bullata	Cytotoxic	Parviflorin	152378-19-3
Annona squamosa (sugar apple)	Antitumor in vitro	Bullatacin	123123-32-0
Annona reticulata (custard apple)	intracellular cAMP/cGMP inhibitor	Annonareticin	123123-32-0
Rollinia mucosa (biriba)	Pesticide	Squamocin G	123123-32-0
Rollinia mucosa (biriba)	defensive against bird predation	Annonin VI	123123-32-0
Annona cherimola	Cytotoxic	Cherimolacyclopeptide E	
Annona cherimola	Cytotoxic	Aromin A	
Annona cherimola (cherimoya)	Cytotoxic	Cherimolacyclopeptide C	
Annona cherimola cherimoya	Fixative in perfumery	3-Methylbutyl benzoate	94-46-2
Sweet cherry, papaya, quince.	Used in food flavoring	Isoamyl benzoate	94-46-2
Annona cherimolia	Antiparasitic	Jetein	139294-55-6
Annona cherimolia	larvicide	Jetein	139294-55-6
Annona cherimolia	Cytotoxic	Annomocherin	373362-55-1
Annona cherimolia	Cytotoxic	Annocherimolin	
Annona cherimolia	Cytotoxic	Otivarin	92280-15-4
Annona cherimolia	Cytotoxic	Laherradurin	125276-75-7
Annona cherimolia	Cytotoxic	Annocherin	246165-35-5
Annona cherimolia (cherimoya)	Cytotoxic	Annomolone B	
Annona cherimolia (cherimoya)	Cytotoxic	Annomolone A	
Annona cherimolia (cherimoya), Annona squamosa (sugar apple), Asimina triloba (pawpaw)	Cytotoxic	Motrilin	138551-27-6
Annona cherimolia	Cytotoic	Annosenegalin	176200-77-4
Annona senegalensis	Antiparasitic	Annosenegalin	176200-77-4
Annona cherimolia, Annona spp.	Cytotoxic	Molvizarin	138551-26-5
Asimina parviflora	Antiparasitic	Molvizarin	138551-26-5
Annona coriacea, Goniothalamus giganteus	Cytotoxic	Gigantecin	130818-48-3
Annona coriaceae	Cytotoxic	Coriadienin	176111-70-9
Annona crassiflora	Cytotoxic	Araticulin	177932-94-4
Annona densicoma	Cytotoxic	Isoannonacin-10-one	123266-23-9
Annona densicoma	Cytotoxic against human Tumor cells in vitro	Densicomacin	
Annona densicoma, Goniothalamus gardneri	Cytotoxic	Gardnerin	144182-25-2
Annona spp.	Cytotoxic	Annonacinone	123266-21-7
Annona densicoma, Asimina triloba (pawpaw)	Cytotoxic	Isoannonacin	
Annona muricata (soursop), Asimina longifolia	Cytotoxic	Isoannonacin	
Annona densicoma, Annona spp.	Cytotoxic	Annonacin	111035-65-5
Goniothalamus giganteus	Insecticidal	Howiicin A	111035-65-5
Goniothalamus gardneri	Mutagenic	Annonacin 1	111035-65-5
Mezzettia umbellata, Xylopia sp.	Immunosuppressant	Annonacin	111035-65-5
Annona glabra (pond apple)	Cytotoxic	Glacin B	205535-77-9

Annona glabra (pond apple)	Cytotoxic	Glabracin B	
Annona glabra (pond apple)	Cytotoxic	Annoglaxin	
Annona glabra (pond apple)	Cytotoxic	4-Deoxy-6-hydroxysquamotacin	
Annona glabra (pond apple)	Cytotoxic	27-Hydroxybullatacin	
Annona glabra (pond apple)	Cytotoxic		313056-91-6
Annona glabra (pond apple)	Cytotoxic	Annoglacin B	
Annona glabra (pond apple)	Cytotoxic	Annoglacin A	
Annona glabra (pond apple)	Insecticide	Annoglacin B	
Annona glabra (pond apple)	Insecticide	Annoglacin A	
Annona glabra (pond apple)	Toxic to brine shrimp	Annoglacin B	
Annona glabra (pond apple)	Toxic to brine shrimp	Annoglacin A	
Annona glabra (pond apple)	Cytotoxic	Glacin A	205535-78-0
Annona glabra (pond apple)	Cytotoxic. Toxic to brine shrimp	Glacin A	205535-78-0
Annona glabra (pond apple), Annona muricata (soursop), Annona reticulata (custard apple)	Cytotoxic	Solamin	138682-32-3
Annona glabra, Goniothalamus griffithii	Cytotoxic	4-Desoxyhowiicin	
Annona glabra, Goniothalamus griffithii	Cytotoxic	Marcanine A	157463-84-8
Annona glauca, Annona squamosa (sugar apple)	Cytotoxic	Squamotacin	174158-66-8
Annona glauca, seeds of Annona purpurea	Cytotoxic	Annoglaucin	164991-79-1
Annona jahnii	Cytotoxic	Jahnonacin	
Annona jahnii	Cytotoxic	Annodienin	
Annona jahnii	Cytotoxic	Annojahnin	
Annona jahnii	Toxic to brine shrimp	Annojahnin	
Annona longifolia	Cytotoxic	Longimicin D	174916-21-3
Annona longifolia	Cytotoxic	Longimicin C	174916-20-2
Annona longifolia	Cytotoxic	Longimicin B	174916-19-9
Annona longifolia	Cytotoxic	Longimicin A	174916-18-8
Annona montana	Cytotoxic	Montalicin J	
Annona montana	Cytotoxic	Montalicin I	
Annona montana	Cytotoxic	Montalicin F	
Annona montana	Cytotoxic	Montalicin D	
Annona montana	Cytotoxic	Montalicin C	
Annona montana	Cytotoxic	Montalicin B	
Annona montana	Cytotoxic	cis-Montacin	
Annona montana	Cytotoxic	cis-Annoreticuin	848129-63-5
Annona montana	Cytotoxic	Montanacin F	408337-03-1
Annona montana	Cytotoxic	Annomonicin	128741-22-0
Annona montana	Cytotoxic	Diepoxymontin	158204-48-9
Annona montana (Annonaceae)	Cytotoxicity significantly	Annoretine	149998-37-8
Annona montana, Goniothalamus giganteus	Cytotoxic	4-Deoxyannomontacin	189630-57-7
Annona muricata	Cytotoxic	Annocatacin B	

Annona muricata	Cytotoxic	Annomuricin E	
Annona muricata (soursop)	Cytotoxic	Muricin G	358722-32-4
Annona muricata (soursop)	Cytotoxic	Muricin B	
Annona muricata (soursop)	Cytotoxic	cis-Corossolone	422508-85-8
Annona muricata	Cytotoxic	cis-Annomontacin	
Annona muricata	Cytotoxic	Muricoreacin	
Annona muricata	Cytotoxic	Muricatocin C	167355-40-0
Annona muricata	Cytotoxic	Muricatocin B	167355-38-6
Annona muricata	Cytotoxic	Muricatocin A	167172-79-4
Annona muricata	Cytotoxic	Muricapentocin	205304-30-9
Annona muricata	Cytotoxic	Javoricin	172588-18-0
Annona muricata	Cytotoxic	Corossolone	133352-33-7
Annona muricata	Cytotoxic	cis-Goniothalamycin	172586-14-0
Annona muricata	Cytotoxic	cis-Annonacin	172586-13-9
Annona muricata	Cytotoxic	Arianacin	172430-57-8
Annona muricata	Cytotoxic	Annopentocin C	184093-46-7
Annona muricata	Cytotoxic	Annopentocin A	184093-44-5
Annona muricata	Cytotoxic	Annomuricin C	167355-39-7
Annona muricata	Cytotoxic	Annomuricin B	167355-37-5
Annona muricata	Cytotoxic	Annomuricin A	167172-78-3
Annona muricata	Cytotoxic	Annohexocin	167696-97-1
Annona muricata	Cytotoxic	Murihexocin C	
Annona muricata	Cytotoxic	Murihexocin A	167255-47-2
Annona muricata	Toxic to brine shrimp	Murihexocin C	
Annona muricata	Toxic to brine shrimp	Murihexocin A	167255-47-2
Annona muricata	Insecticide	AML 1	125147-23-1
Annona muricata	Cytotoxic	AML 1	125147-23-1
Annona muricata	Precursor of various acetogenins. Cytotoxic	Corepoxylone	154272-51-2
Annona muricata (soursop), Annona montana	Cytotoxic	Muricatacin	134698-86-5
Annona muricata (soursop)	Inhibitor of mitochondrial complex I	Muricatetrocin A	153125-14-5
Asimina longifolia	Cytotoxic	Howiicin E	153125-14-5
Goniothalamus howii	Toxic to brine shrimp	Muricatetrocin A	153125-14-5
Annona muricata (soursop)	Cytotoxic	Muricatetrocin B	153220-48-5
Asimina longifolia, Rollinia mucosa (biriba)	Toxic to brine shrimp	Muricatetrocin B	153220-48-5
Annona purpurea	AntiPlateletaggregation	Dehydrolirinidine	
Annona purpurea	Platelet aggregation inhibitor	7-Hydroxydehydrothalicimidine	
Annona purpurea (soncoya)	AntiPlateletaggregation	7-Hydroxydehydroglaucine	218629-68-6
Annona purpurea (soncoya)	AntiPlateletaggregation	Thalicpureine	218900-91-5
Annona purpurea (soncoya)	Cytotoxic	Purpurediolin	

Annona purpurea (soncoya)	Cytotoxic	Purpuracenin	
Annona purpurea (soncoya)	leishmanicidal	Uleicin C	92280-14-3
Rollinia sylvatica	Cytotoxic	Uleicin C	92280-14-3
Rollinia membranacea	Insecticidal	Uleicin C	92280-14-3
ollinia mucosa (biriba), Rollinia spp.	Larvicidal	Sylvaticin	92280-14-3
Liriodendron tulipifera, Phoebe cinnamomifolia	Antineoplastic borderline	Oxopurpureine	32845-27-5
Cananga odorata (ylang ylang), Phylica rogersii, Papaver somniferum	AntiPlateletaggregation	Reticuline (S)	485-19-8
Annona salzmanii	Cytotoxic	Salzmanin	
Annona senegalensis (Annonaceae)	Cytotoxic	Senegalene	157143-55-0
Annona senegalensis, Xylopia aromatica	Cytotoxic	Annogalene	176200-78-5
		Xlomatenin	
Annona spinescens	Cytotoxic	Araticin	229470-08-0
Annona spinescens	Cytotoxic	Carolin C	
Annona spinescens	Cytotoxic	Carolin B	201167-32-0
Annona spinescens	Cytotoxic	Carolin A	201167-31-9
Annona spp., Rollinia spp., Uvaria spp.	Cytotoxic	Squamocin A	120298-30-8
Annona squamosa	Cytotoxic	Squamostolide	
Annona squamosa	Cytotoxic	Squadiolin A	
Annona squamosa	Antiparasitic	Annonin XIV	129138-52-9
Annona squamosa	Cytotoxic	Mosin C	191936-12-6
Annona squamosa	Cytotoxic	Mosin B	191876-89-8
Annona squamosa	Cytotoxic	Mosinone A	191800-47-2
Annona squamosa	Cytotoxic	Bullacin B	210230-74-3
Annona squamosa	Electron transport inhibitor	Bullacin B	210230-74-3
Annona squamosa	Insecticidal	Neoannonin	125205-43-8
Annona squamosa	Ovicide	Squamocin J	125205-43-8
Annona squamosa	Abortifacient	Neoannonin	125205-43-8
Annona squamosa	Cytotoxic	Squamocin J	125205-43-8
Annona squamosa (sugar apple)	Potent inhibitor of mitochondrial NADH: ubiquinone oxidoreductase	Asimicin	102989-24-2
Annona purpurea (soncoya)	Antineoplastic	Annonastatin	102989-24-2
Asimina triloba (pawpaw)	Defensive against bird predation	Squamocin H	102989-24-2
Rollinia mucosa (biriba)	Pesticidal	Asimicin	102989-24-2
Stephania dinklagei	Antiplasmodial	1-Hydroxy-2,10,11-trimethoxynoraporphine	26931-78-2
Annona squamosa, Popowia sp.	Antiamoebic	Norcorydine	26931-78-2
Alphonsea, Annona, Polyalthia spp.	Antithrombotic	Glaucine	475-81-0
Berberis, Mahonia spp.	Analgesic	1,2,9,10-Tetramethoxyaporphine	475-81-0
Croton), Corydalis, Dicentra spp.	Antiinflammatory	Glaucine	475-81-0
Beilschmiedia, Ocotea, Litsea spp.	Antifungal	Glaucine	475-81-0

Chasmanthera, Glaucium spp.	Narcosis inducer in animals	Glaucine	475-81-0
Thalictrum, Aconitum spp.	Convulsion inducer in animals	Glaucine	475-81-0
Liriodendron, Magnolia spp.	Hypotension inducer	Glaucine	475-81-0
Schefferomitra, Uvaria spp.	Respiratory depression inducer	Glaucine	475-81-0
Colubrina, Hedycarya spp.	Antitussive with similar potency to Codeine	Glaucine	475-81-0
Papaver spp.	Muscle relaxant mildly	Glaucine	475-81-0
Anaxagorea, Annona, Asimina, Melodorum, Desmos, Guatteria, Hexalobus spp.	Serotonin receptor antagonist	2-Hydroxy-1-methoxynoraporphine	6871-21-2
Monanthotaxis, Popowia, Polyalthia, Schefferomitra, Xylopia, Uvaria, Aristolochia, Liriodendron, Magnolia, Laurelia, Nelumbo, Ocotea and Zizyphus spp	Antimicrobial	Asimilobine	6871-21-2
Annona, Asimina, Cananga, Cleistopholis, Enantia, Fusaea, Isolona, Guatteria and Melodorum spp.	Leishmanicidal	Liriodenine	475-75-2
Pseuduvaria, Hexalobus, Mitrella, Monodora, Pachypodanthium, Polyalthia, Uvariopsis, Schefferomitra and Xylopia spp.	Antineoplastic	Liriodenine	475-75-2
Lysichiton, Eupomatia, Litsea, Neolitsea, Liriodendron, Magnolia, Michelia, Elmerrillia and Talauma spp.	Cytotoxicity against human nasopharyngeal carcinoma cells	Spermatheridine	475-75-2
Pycnarrhena , Stephania , Chasmanthera , Pachygone , Rhigiocarya spp.	Anti-Trichophyton mentagraphytes effectively	Micheline B	475-75-2
Dryadodaphne, Nelumbo, Roemeria , Papaver, Colubrina spp.	Effective against barley net blotch, rice blast, broad bean chocolate spot disease	1,2-Methylenedioxyoxoaporphine	475-75-2
Zanthoxylum, Atherosperma spp.	Muscarinic receptor antagonist	Oxoushinsunine	475-75-2
Laurelia, Siparuna spp.	Topoisomerase II inhibitor	8H-Benzo[g]-1,3-benzodioxolo[6,5,4-de]quinolin-8-one	475-75-2
Annona, Asimina, Desmos, Melodorum, Polyalthia, Liriodendron, Magnolia, Michelia, Elmerrillia, Sinomenium, Eupomatia, Laurelia spp	Antimicrobial	Norushinsunine (-)-form	3175-84-6
Annona, Asimina, Duguetia, Guatteria, Monodora, Polyalthia, Schefferomitra, Magnolia spp.	Antimicrobial	Anolobine (R)	641-17-8
Annonaceae , Atherospermataceae, Pteridophyllaceae	Adrenocytic	Isocorydine (S)	475-67-2
Berberidaceae, Lauraceae, Rhamnaceae, Hernandiaceae	Sedative	Isocorydine (S)	475-67-2
Menispermaceae, Monimiaceae, Fumariaceae, Papaveraceae, Ranunculaceae	Cholinergic	Isocorydine (S)	475-67-2
Annona, Enantia, Guatteria, Polyalthia, Xylopia, Magnolia, Michelia, Liriodendron, Talauma and Stephania spp.	Antimicrobial	Lanuginosine	23740-25-2

Annona, Enantia, Uvaria, Monodora, Schefferomitra, Xylopia, Desmos, Guatteria, Polyalthia, Berberis, Mahonia and Beilschmiedia spp.	Antifeedant	Isoboldine (S)	3019-51-0
Cassytha, Litsea, Neolitsea, Nectandra, Phoebe, Ocotea, Sassafras, Machilus, Erythrina, Cocculus, Stephania, Peumus, Corydalis, Fumaria, GlauciumSymplocos, Delphinium , Aconitum , Thalictrum, Zizyphus, Hernandia, Nandina and Laurelia spp.	Insecticide	Isoboldine (S)	3019-51-0
Annona, Guatteria, Enantia and Polyalthia, Stephania, Telitoxicum, Colubrina and Zizyphus spp.	Antimicrobial	Lysicamine	15444-20-9
Lysichiton, Liriodendron, Abuta, Chasmanthera spp.	Nematocidal	Oxonuciferine	15444-20-9
Asimina, Cananga spp.	Antiplasmodial	Ushinsunine	3175-89-1
Polyalthia, Litsea spp.	Antiamoebic	Micheline A	3175-89-1
Michelia and Stephania spp.	Cytotoxic	Ushinsunine	3175-89-1
Desmos, Polyalthia, Actinodaphne, Litsea spp.	Diuretic	Boldine (S)	
Liriodendron, Peumus, Hedycarya spp.	Used in treatment of gall-stones	Boldine (S)	
Neolitsea, Sassafras, Laurus, Machilus spp.	Antioxidant	Boldine (S)	
Monimia, Retanilla and Laurelia spp.	Antitrypanosomal	Boldine (S)	
Xylopia, Desmos, Guatteria, Hernandia, Illigera, Actinodaphne, Cassytha, Cryptocarya, Lindera, Litsea, Neolitsea, Machilus, Dryadodaphne, Palmeria, Peumus, Hedycarya, Monimia, Nemuaron, Laurelia spp	AntiPlateletaggregation	Litsoene	128-76-7
Anodendron affine, Bhesa paniculata, Curvularia fallax; Lactarius deliciosus, Piper aduncum	DNA-damaging	Anofinic acid	34818-56-9
Anoectochilus formosanus	Antioxidant	Kinsenone	
Anogeissus acuminata	HIV reverse transcriptase inhibitor	Anolignan C	158189-15-2
Anogeissus acuminata	Inhibitor of HIV-1 reverse transcriptase	Anolignan A	158081-97-1
Anogeissus acuminata	Inhibitor of HIV-1 reverse transcriptase	Anolignan B	158081-98-2
Anopheles gambiae	Antimicrobial	Gambicin	
Anopheles gambiae	Neuropeptide	Anopheles gambiae Cardioacceleratory peptides	
Anoplius safnariensis	Neurotoxin	α -Pompilidotoxin	202075-91-0
Anoplius samariensis	Antimicrobial	Anoplin	321352-67-4
Anopterus macleayanus, Anopterus glandulosus	Antineoplastic	Anopterine	38826-62-9
Lasius (Dendrolasius) fuliginosus, wood of Torreya nucifera. sweet potato. molluscs Hypselodoris californiensis, Hypselodoris ghiselini, Hypselodoris cantabrica, Hypselodoris tricolor, Hypselodoris villafranca	Feeding deterrent	Dendrolasin	23262-34-2

Anterhynchium flavomarginatum micado	Mast cell degranulating peptide	Eumenine mastoparan-AF	255720-67-3
Anthelia julacea, Anthelia juratzkana, Saelania glaucescens	Plant growth regulator	16-Kauranol	5524-17-4
Cryptomeria japonica, Gibberella fujikuroi	Root growth inhibitor	Kauranol	5524-17-4
Lichens Ramalina ceruchis, Ramalina tigrina, spp.	Seed germination promotion	Kauranol	5524-17-4
Anthemis brachycentros, Solidago altissima	phytotoxic	5-(2,4-Hexadiynyldene)-2(5H)-furanone (E)	
Anthemis nobilis (Roman chamomile)	Cytotoxic	3-Dehydronobilin	63529-14-6
Anthemis tinctoria ssp. tinctoria var. pallida	Antioxidant	Conduritol F 1-(6-<i>trans</i>-caffeoylglucoside)	
Antheopsis maculata	Toxic to crabs	Antheopsis maculata Peptide toxins	
Anthocephalus cadamba, leaves of Nauclea latifolia, Nauclea diderrichii (Naucleaceae)	Hypotensive in laboratory animals	Dihydrocadambine	54483-84-0
Anthocephalus cadamba, Nauclea cadamba, Uncaria spp.	hypotensive	3 β -Isodihydrocadambine	62014-69-1
Anthocidaris crassispina	Lectin	Echinoidin	
Anthopleura elegantissima	Neuropeptide	Antho-RI amide II	139026-55-4
Anthopleura elegantissima	Neuropeptide	Antho-KA amide	137350-94-8
Anthopleura elegantissima	Neurotransmitter	Antho-RI amide I	139026-54-3
Anthopleura elegantissima	Neurotransmitter	3-Phenyllactoylleucylarginylasp artamide	129536-35-2
Anthopleura elegantissima	Muscle excitator	Antho-RN amide	129536-35-2
Anthopleura elegantissima, Callinectes sapidus, Renilla koellikeri	Neurotransmitter	Antho-RF amide	107535-01-3
Anthopleura japonica, spp.	cardiotonic	Guanidinoacetic acid	352-97-6
Anthopleura pacifica	Cytotoxic	Noranthoplone	129145-59-1
Anthopleura pacifica	Cytotoxic	Anthoplalone	129145-58-0
Anthopleura pacifica	Ichthyotoxic	1(10),4(15)-Lepidozadien-5-ol	
Anthopleura xanthogrammica	Toxin. Na Channel Inhibitor. Ichthyotoxic	AX II	
Anthoplexaura dimorpha	Cell division inhibitor	Dimorphoside A	108179-46-0
Anthosigmella aff. raromicrosclera	Induces larval metamorphosis in ascidians	Cyclo(arginyldehydrotyrosyl) (S)	164727-33-7
Anthosigmella aff. raromicrosclera	Induces larval metamorphosis in ascidians	Anthosamine A	165074-97-5
Anthosigmella aff. raromicrosclera	Induces larval metamorphosis in ascidians	Anthosamine B	165074-96-4
Anthosigmella cf. raromicrosclera	Cysteine protease inhibitor	1-Carboxymethylnicotinic acid	137591-89-0
Anthracotheceum ochraceoflavum lichen, Caloplaca spp., Cetraria cucullata, Fulgensia fulgens, Xanthoria spp.	Broad-spectrum Antifungal	Fallacinal	4517-57-1
Anthriscus sylvestris, Bursera morelensis	Cytotoxic	Morelensin	63700-40-3

Anthyllis sericea	Antiseptic	3-Methoxybenzoic acid	586-38-9
Anthyllis sericea	antirheumatic	<i>m</i> -Anisic acid	586-38-9
Antiaris toxicaria, Antiaris africana, Antiaris welwitschii	Arrow poison	α-Antiarin	23605-05-2
Antibiotic Cephalosporium acremonium	Manufactured for cleavage to 7-Aminocephalosporanic acid	Cephalosporin C	61-24-5
Bacillus aminoglucosidicus, a deep-sea strain of Bacillus sp.	Bactericidal	3-Amino-3-deoxyglucose; D-form	576-44-3
Antibiotic several fungi, Aspergillus clavatus	Seed germination inhibitor	Patulin	149-29-1
Aspergillus terreus, a marine Aspergillus varians	Antibacterial Inhibitor of hepatitis C virus protease	Patulin	149-29-1
Penicillium patulum	Mycotoxin	Clavacin	149-29-1
Byssosclamyces nivea	Contaminant of foods	Clavacin	149-29-1
Antidesma spp., Hieronima oblonga, Melochia chamaedrys	Potent fungitoxic	Antidesmone	222629-77-8
Antidesma pentandrum	Hypolipidaemic	Lupeolactone	85933-20-6
Antineoplastic enzyme Escherichia coli	Antileukaemic	Asparaginase	9015-68-3
Antipatharian hexacoral Leiopathes sp. Balanus balanoides, Patiria miniata, Elimineus modestus	Induces the hatching of barnacles	8-Hydroxy-5,9,11,14,17-eicosapentaenoic acid	117407-06-4
Antitoxicum funebre, Cynanchum vincetoxicum	Antibacterial	Antofine (R)	32671-82-2
Vincetoxicum nigrum, Tylophora asthmatica, Ficus septica	Antifungal	Antofine (R)	32671-82-2
Antrodia camphorata	Antiinflammatory	Antrocamphin A	945622-07-1
Antrodia camphorata, Antrodia cinnamomea	Cytotoxic	Antrodin C	656830-26-1
Antrodia camphorata, Antrodia spp.	Cytotoxic	Antropyrrroledione	656830-25-0
Antrodia cinnamomea	Antiserotonin	Zhankuic acid E	175669-15-5
Antrodia cinnamomea	anticholinergic	Zhankuic acid E	175669-15-5
Anuroctonus phaiodactylus	Insect toxin	Phaiodotoxin	
Anuroctonus phaiodactylus	Ca-dependent phospholipase A2	Phaiodactylipin	
Anvillea garcini, Zorgea baldschuanica	Antineoplastic	9 α -Hydroxyparthenolide	78146-51-7
Anvillea garcinii	Cytotoxic	Parthenolid-9-one	173692-04-1
Anvillea garcinii	Antitumor	Parthenolid-9-one	173692-04-1
Anzia gracilis, Cetraria sanguinea	Phosphodiesterase inhibitor	Anziaic acid	641-68-9
Aparisthmium cordatum	Gastroprotective	Cordatin	110382-43-9
Aparisthmium cordatum	Antiulcer	Cordatin	110382-43-9
Aphanizomenon flos-aquae	Biosurfactant	2-Phosphonoethyl tetradecanoate	
Aphanizomenon flos-aquae	Biosurfactant	2-Phosphonoethyl hexadecanoate	921604-69-5
Aphanizomenon flos-aquae	Biosurfactant	2-Phosphonoethyl 9,12,15-octadecatrienoate	
Aphanizomenon flos-aquae	Biosurfactant	2-Phosphonoethyl 7,10,13-hexadecatrienoate	

Aphanizomenon flos-aquae	Carboxypeptidase A inhibitor	Anabaenopeptin I	294841-74-0
Aphanizomenon flos-aquae	Neurotoxin	Aphantoxin	77238-17-6
Aphanizomenon flos-aquae	Paralytic shellfish poison	Aphantoxin	77238-17-6
Aphanizomenon flos-aquae, Gloeotrichia sp.	Fish development inhibitor	Mueggelone	198770-10-4
Aphanizomenon flos-aquae, Gloeotrichia sp.	Antimycobacterial	Mueggelone	198770-10-4
Aphanizomenon flos-aquae NIES 81	Carboxypeptidase A inhibitor	Anabaenopeptin J	294841-75-1
Aphanizomenon flos-aquae, Saxidomus giganteus , Vibrio sp., Pyrodinium sp., Protogonyaulax, shellfish, marine algae, organisms Gonyaulax tamarensis.	Neurotoxic neuromuscular blocker	Neosaxitoxin	64296-20-4
Aphanizomenon ovalisporum	Hepatotoxin	7-Epicylindrospermopsin	265652-18-4
Aphanizomenon ovalisporum	Potent hepatotoxin	Cylindrospermopsin	143545-90-8
Cylindrospermopsis raciborskii, Umezikia natans	Glutathione synthesis inhibitor	Cylindrospermopsin	143545-90-8
Aphanocladium sp.	Anti-Staphylococcus aureus	Aphanomycin	101359-78-8
Aphanocladium sp.	Anti-B. subtilis	Aphanomycin	101359-78-8
Aphanocladium sp.	Anti-E. coli	Aphanomycin	101359-78-8
Aphanocladium sp.	Anti-Proteus morgani	Aphanomycin	101359-78-8
Aphis pemi honeydew	anticarious	α-Maltosylfructose	
Aphis spiraeicola	Cytotoxic	Furanaphin	
Aphrocallistes vastus	C-type lectin	Aphrocallistes vastus Lectin	
Aphthona flava, flea beetle, citronella oil	Antibacterial	g-Cadinene	483-74-9
Aphytis melinus	Host recognition mediator of Aonidiella aurantii	O-Caffeoyltyrosine	147490-44-6
Apiocrea chrysosperma	Antibacterial	Chrysospermin	
Hypomyces chrysospermus	Antifungal	Chrysospermin	
Hypomyces chrysospermus	Ion channel forming	Chrysospermin	
Apiosordaria effusa	Topoisomerase inhibitor	Apiodionene	142808-38-6
Apiosordaria effusa	Cytotoxic	Apiodionene	142808-38-6
Apiosordaria effusa	Antiinflammatory	Apiodionene	142808-38-6
Apiosordaria effusa	Anticancer	Apiodionene	142808-38-6
Apiosordaria sp., Botryodiplodia theobromae	Mycotoxin	Botryodiplodin	27098-03-9
Diplodia natalensis, Macrophomina phaseolina	Antifungal	Botryodiplodin	27098-03-9
Penicillium roquefortii, Triangularia bambusae, Zopfiella matsushimae	Antileukaemic	Botryodiplodin	27098-03-9
Apiospora montagnei	Proteasome inhibitor	Antibiotic TMC 95C	262854-07-9
Apiospora montagnei	Proteasome inhibitor	Antibiotic TMC 95D	262854-09-1
Apiospora montagnei	Proteasome inhibitor	Antibiotic TMC 95B	262854-05-7
Apiospora montagnei (terrestrial strain)	Antifungal	Apiosporamide	162414-45-1
Apiospora montagnei, Arthrinium sp.	Inhibitor of p53-HDM2 interaction	2-Hexyl-3-methylenebutanedioic acid (S)	

<i>Apiospora montagnei</i>	Antioxidant	Anomalin A	
<i>Wardomyces anomalus</i>	Tyrosine kinase inhibitor	Anomalin A	
<i>Apiospora montagnei</i> Sacc. TC 1093	Proteasome inhibitor	Antibiotic TMC 95A	220666-21-7
<i>Apiospora montagnei</i> Sacc. TC 1093	Cytotoxic	Antibiotic TMC 95A	220666-21-7
<i>Apis mellifera</i>	Antibacterial	Apidaecin Ia	123081-48-1
<i>Apis mellifera</i>	Antibacterial	Apidaecin II	123276-95-9
<i>Apis mellifera</i>	Antibacterial	Apidaecin Ib	123276-94-8
<i>Apis mellifera</i>	Aantibiotic	Antibiotic 5-2	
<i>Apis mellifera</i>	Antimicrobial	Hymenaecin	
<i>Apis mellifera</i>	Antimicrobials	Jelleines	
<i>Apis mellifera</i>	Inhibitor for inward rectifier K ⁺ (K _{IR}) channels	Tertiapin	58694-52-3
<i>Apis mellifera</i>	Neuropeptides	<i>Apis mellifera</i> Pyrokinins	
<i>Apis mellifera</i>	Neuropeptides	<i>Apis mellifera</i> Allatostatins	
<i>Apis mellifera</i>	Potent against gram-positive bacteria	Royalisin	128906-89-8
<i>Apis mellifera</i>	Proliferation stimulator of human monocytes	Apisin	
<i>Apis mellifera</i> (European honey bee)	Powerful Antiinflammatory	<i>Apis mellifera</i> Mast cell degranulating peptide	32908-73-9
<i>Apis mellifera</i> after immunisation with <i>Escherichia coli</i>	Antibacterial	Hymenoptaecin	149022-34-4
<i>Apis mellifera</i> after immunisation with <i>Escherichia coli</i>	Antibacterial response peptide	Abaecin	123997-18-2
<i>Apium graveolens</i>		Mannitol:NAD ⁽⁺⁾ 1-oxidoreductase	144941-29-7
<i>Apium graveolens</i>, <i>Ligusticum officinale</i>	Antifungal	Neocnidilide	4567-33-3
<i>Apium graveolens</i> , <i>Humulus lupulus</i> (hops)	larvivalid	β-Selinene	17066-67-0
<i>Cyperus rotundus</i> (nutgrass)	Insecticidal	Cyperene II	17066-67-0
<i>Aplidium albicans</i>	VEGF secretion inhibitor	Aplidine	137219-37-5
<i>Aplidium albicans</i>	Antineoplastic	<i>Dehydrodidemnin B</i>	137219-37-5
<i>Aplidium californicum</i>	Antimutagenic	2,2-Dimethyl-6-chromenol	19012-99-8
<i>Aplidium conicum</i>	Antitumor	Thiaplidiaquinone B	852872-93-6
<i>Aplidium conicum</i>	Antitumor	Thiaplidiaquinone A	852872-92-5
<i>Aplidium conicum</i>	Cytotoxic	Conicaquinone B	519154-46-2
<i>Aplidium conicum</i>	Cytotoxic	Conicaquinone A	519154-45-1
<i>Aplidium conicum</i>	Histamine antagonist	Conicamine	648437-96-1
<i>Aplidium cyaneum</i>	Cytotoxic	Aplicyanin B	936633-60-2
<i>Aplidium cyaneum</i>	Cytotoxic	Aplicyanin E	936633-63-5
<i>Aplidium cyaneum</i>	Cytotoxic	Aplicyanin D	936633-62-4
<i>Aplidium fuscum</i>	Inhibitor of thymidine	Thymidine-5'-carboxylic acid	3544-99-8
<i>Aplidium fuscum</i>	Thymidylate kinase inhibitor	Thymidine-5'-carboxylic acid	3544-99-8
<i>Aplidium haouarianum</i>	Cytotoxic	Haouamine A	496962-05-1

Aplidium lobatum	Cytotoxic	Lobatamide A	200563-47-9
Aplidium lobatum	Cytotoxic	Lobatamide B	200563-48-0
Aplidium longithorax	Weak Cytotoxic	Longithorone A	159736-39-7
Aplidium meridianum	Cytotoxic	Meridianin D	213473-01-9
Aplidium meridianum	Cytotoxic	Meridianin C	213473-00-8
Aplidium meridianum	Cytotoxic	Meridianin E	213473-03-1
Aplidium meridianum	Cytotoxic	Meridianin B	213472-99-2
Aplidium meridianum	Protein kinase inhibitor	Meridianin A	213472-98-1
Aplidium multiplicatum	Cytotoxic	Shimofuridin A	152273-80-8
Aplidium multiplicatum	Anti-fungi	Shimofuridin A	152273-80-8
Aplidium multiplicatum	Anti-gram-positive bacteria	Shimofuridin A	152273-80-8
Aplidium multiplicatum	Protein kinase inhibitor	Shimofuridin A	152273-80-8
Aplidium orthium, Dendrodoa grossularia, Tubastrea aurea	Antiviral	Tubastrine	107585-47-7
Aplidium pantherinum	Cytotoxicity against P388 murine leukemia cells	Pantherinine	152606-66-1
Aplidium sp.	Antiinflammatory	Ascidiathiazone A	880137-41-7
Aplidium sp.	Cytotoxic	<i>N,N'</i> -(1,5-Pentanediy)bis[3-(3,5-diiodo-4-methoxyphenyl)-2-dimethylaminopropanamide]	149196-92-9
Aplidium sp.	Glutathione reductase inhibitor	3-(3,5-Diiodo-4-methoxyphenyl)-3'-(3-iodo-4-methoxyphenyl)- <i>N,N'</i> -(1,5-pentanediy)bis[2-dimethylaminopropanamide]	149196-91-8
Aplidium tabascum, Didemnum sp.	Antiplasmodial	Lepadin F	412328-23-5
Aplidium tabascum, Didemnum sp.	antitrypanosomal	Lepadin F	412328-23-5
Aplysia angasi	Cytotoxic	Aplysistatin	62003-89-8
Aplysia brasiliana	Analgesic	Panacene	66389-39-7
Aplysia brasiliana	Tranquilliser	Panacene	66389-39-7
Aplysia brasiliana	Fish Antifeedant	Panacene	66389-39-7
Aplysia brasiliana	Ichthyotoxin	Isobrasudol	72154-34-8
Aplysia brasiliana	Ichthyotoxin	Brasudol	72154-35-9
Aplysia brasiliana	Antifeedant	Isobrasudol	72154-34-8
Aplysia brasiliana	Potent fish Antifeedant	Brasudol	72154-35-9
Aplysia californica	Cardioactive	Small cardioactive peptide A	98035-79-1
Aplysia californica	Muscle contraction inhibitor	Buccalin	116786-35-7
Aplysia californica	Neuropeptide	<i>Aplysia californica</i> Cerebral peptide 1	180461-30-7
Aplysia californica	Neuropeptide	Buccalin B	147663-31-8
Aplysia californica	Muscle contraction inhibitor	Buccalin B	147663-31-8
Aplysia californica	ARC neuromuscular potentiator	<i>Aplysia californica</i> Myomodulins	157243-32-8
Aplysia californica, Plocamium cartilagineum	Antifouling	1,8,8-Tribromo-3,4,7-trichloro-3,7-dimethyl-1,5-	51212-86-3

		octadiene	
Aplysia californica, Aplysia brasiliana, Helix aspersa	Cardioactive	Small cardioactive peptide B	84746-43-0
Aplysia californica, Laurencia claviformis, Laurencia nipponica, Laurencia elata, Laurencia marianensisand Laurencia majuscula	Insecticidal	Deoxyrepacifenol	58967-05-8
Aplysia dactylomela	Antibacterial	9,15-Dibromo-1,3(15)-chamigradien-7-ol (E)	86161-35-5
Aplysia dactylomela	Antifungal	9,15-Dibromo-1,3(15)-chamigradien-7-ol (E)	86161-35-5
Aplysia dactylomela	Algicidal	9,15-Dibromo-1,3(15)-chamigradien-7-ol (E)	86161-35-5
Aplysia dactylomela	Toxic to brine shrimp	9,15-Dibromo-1,3(15)-chamigradien-7-ol (E)	86161-35-5
Aplysia dactylomela	Antibacterial	Dactylomelin P	
Aplysia dactylomela	Haemagglutinating	Dactylomelin P	
Aplysia dactylomela	Antineoplastic	Deodactol	71679-25-9
Aplysia dactylomela	Cytotoxic	Isoparguerol	83115-46-2
Aplysia dactylomela	Cytotoxic	Acetylisooctusol	73465-63-1
		Isooctusol acetate	
Aplysia dactylomela	Cytotoxic	Parguerene	83115-36-0
		Parguerol	
Aplysia dactylomela	Cytotoxic	14-Bromo-1-octusene-3,11-diol	70145-28-7
Aplysia dactylomela	Cytotoxic against P388 cells	Allolaurinterol acetate	62573-44-8
Aplysia dactylomela	Ichthyotoxic	Cyclolaurenol	103439-83-4
Aplysia dactylomela	Ichthyotoxic	Cyclolaurenol acetate	103456-68-4
Aplysia dactylomela	Ichthyotoxic	Cyclolaurene	103439-82-3
Aplysia dactylomela	Ichthyotoxic	Cupalaurenol	103439-84-5
Aplysia dactylomela	Antimicrobial	Cyclolaurene	103439-82-3
Aplysia dactylomela	Antimicrobial	Cupalaurenol	103439-84-5
Aplysia dactylomela	Antifungal	Cyclolaurene	103439-82-3
Aplysia dactylomela	Antifungal	Cupalaurenol	103439-84-5
Aplysia dactylomela	Ichthyotoxic	Cupalaurenol acetate	103456-69-5
Aplysia dactylomela	Antimicrobial	Cupalaurenol acetate	103456-69-5
Aplysia dactylomela	Antifungal	Cupalaurenol acetate	103456-69-5
Aplysia dactylomela	Antibiotic somewhat	Isodactylene	58001-90-4
Aplysia dactylomela	Toxic to brine shrimp	Dactylomelol	126739-08-0
Aplysia dactylomela	CNS depressant	Dactylene	55306-12-2
Laurencia sp.	Cytochrome inhibitor	Dactylene	55306-12-2
Aplysia dactylomela, Laurencia obtusa	Cytotoxic	Deoxyparguerene	83115-44-0
		Deoxyparguerol	
Aplysia dactylomela	Ichthyotoxic	Epitaondiol	75598-52-6

Stypopodium zonale	Antimitotic	Epitaondiol	75598-52-6
Aplysia dactylomela	Algicide	Epitaondiol	75598-52-6
Aplysia depilans	Ichthyotoxin	Aplyolide A	192935-65-2
Aplysia depilans	Ichthyotoxin	Aplyolide E	192935-72-1
Aplysia depilans	Ichthyotoxin	Aplyolide C	192935-69-6
Aplysia depilans	Ichthyotoxin	Aplyolide D	192935-71-0
Aplysia depilans	Ichthyotoxin	Aplyolide B	192935-68-5
Aplysia depilans, Dictyota dentata	Algicide	Dictyol C	62820-33-1
Aplysia dactylomela, Dictyota dichotoma,	Antimitotic	Dictyol C	62820-33-1
Aplysia depilans, Dictyota dentata	Ichthyotoxin	Dictyol C	62820-33-1
Aplysia depilans, Dilophus lingulatus, Dictyota dichotoma	Vasopressin V1 receptor antagonist	Dictyolactone	70552-63-5
Aplysia depilans, Dilophus lingulatus, Dictyota dichotoma	Norepinephrine antagonist	Dictyolactone	70552-63-5
Aplysia during egg laying	Water-borne pheromone	Attractin	210299-69-7
Aplysia fasciata	Ichthyotoxic	4-Acetylaplykurodin B	142780-49-2
Aplysia fasciata	Antifeedant	4-Acetylaplykurodin B	142780-49-2
Aplysia juliana	Antimicrobial	Julianin S	125692-57-1
Aplysia juliana	Antitumor	Julianin S	125692-57-1
Aplysia juliana	Toxic to crabs	Julianin S	125692-57-1
Aplysia kurodai	Antitumor	Aplysianin; Aplysianin E	112130-75-3
Aplysia kurodai	Cytolytic	Aplysianin; Aplysianin P	102510-57-6
Aplysia kurodai	Cytotoxic	Pericosine A	200335-68-8
Aplysia kurodai	Cytotoxic	Pericosine B	200335-69-9
Aplysia kurodai	Cytotoxic	Neoplamminone	131815-21-9
Aplysia kurodai	Cytotoxic	Aplaminal	1005010-20-7
Aplysia kurodai	Cytotoxic	Aplyronine C	151923-86-3
Aplysia kurodai	Cytotoxic	Aplyronine B	151923-85-2
Aplysia kurodai	Cytotoxic	Aplyronine A	151923-84-1
Aplysia kurodai	Cytotoxic against various cell lines	Aplysiapyranoid B	108212-12-0
Aplysia kurodai	Cytotoxic against various cell lines	Aplysiapyranoid A	109927-30-2
Aplysia kurodai	Cytotoxic to various cell lines	Aplysiapyranoid D	109927-32-4
Aplysia kurodai	Cytotoxic to various cell lines	Aplysiapyranoid C	109927-31-3
Aplysia kurodai	Inhibitor of cell adhesion	Macrosphelide L	
Aplysia kurodai	Phospholipase A2 activating	Aplydilactone	125295-94-5
Aplysia kurodai; land snail, Euhadra congenita	Cardioactive	Asparaginy-D-tryptophylphenylalaninamide	201225-56-1
Freshwater snail, Lymnaea stagnalis	Neuropeptide	Asparaginy-D-tryptophylphenylalaninamide	201225-56-1
Aplysia parvula	Ichthyotoxic	Aplyparvunin	167425-79-8
Aplysilla glacialis	Cytotoxic	Glaciasterol B	144676-37-9
Aplysilla glacialis	Cytotoxic	Glaciasterol A	
Aplysilla glacialis	MDR inhibitor	Glaciasterol A	

Aplysilla polyrhaphis	Feeding inhibitor	Polyrhaphin B	121442-23-7
Aplysilla polyrhaphis	Feeding inhibitor	Polyrhaphin D	121442-25-9
Chromodoris norrisi	Feeding inhibitor	Polyrhaphin C	121442-24-8
Chromodoris norrisi	Ichthyotoxic	Polyrhaphin C	121442-24-8
Aplysilla rosea	Tyrosine kinase inhibitor	Aplyroseol 6	106009-79-4
Aplysilla rosea	Tyrosine kinase inhibitor	Aplyroseol 5	100814-66-2
Aplysilla sp.	Phospholipase A2 inhibitor	12-Acetoxytetrahydrosulphurin I	
Aplysina aerophoba	Cytotoxic	Aeroplysinin 1 (+)	28656-91-9
Verongia aerophoba	Antibacterial	Aeroplysinin 1 (+)	28656-91-9
Aplysina archeri	Tyrosine kinase inhibitor	Aeroplysinin 1 (+)	28656-91-9
Aiolochoiria crassa, Verongula rigida	Algicide	Aeroplysinin 1 (+)	28656-91-9
Psammmaplysilla purpurea, Ianthella sp.	Molluscicide	Aeroplysinin 1 (+)	28656-91-9
Aplysina archeri	Antifungal	Aplysina archeri Alkaloid	179523-37-6
Aplysina archeri	Inhibits the growth of feline leukaemia virus	11-Oxofistularin 3	142755-09-7
Aplysina cauliformis	Antimycobacterial	3-Amino-2,4-dibromo-6-hydroxybenzeneacetic acid	
Aplysina cavernicola (Verongia cavernicola)	Antibacterial mildly <i>in vitro</i>	7-Bromocavernicolenone	98604-31-0
Aplysina cavernicola, Aplysina fistularis	Inhibitor of gram-positive, -negative bacteria	Dichloroverongiaquinol	88290-16-8
Aplysina cavernicola, Aplysina fistularis insularis	Cytotoxic	11-Deoxyfistularin 3	191112-19-3
Aplysina fistularis, Verongia archeri	Antimicrobial	3,5-Dibromo-4-hydroxyphenylacetamide	17194-96-6
Aplysina sp., Agelas oroides, Pseudoceratina durissima, Verongula spp.	Inhibits the growth of feline leukaemia virus	Fistularin 3	73622-22-7
Aplysina fistularis fulva	Thrombin receptor antagonist	Aplysillin A	166833-91-6
Aplysina gerardogreeni	Cytotoxic	Aplysinone A	943837-22-7
Aplysina lacunosa, Verongia cavernicola	Antitumor selectively against human colon (HCT116) cell line	11-Oxo-aerolithionin	73622-23-8
Aplysina laevis	Antimicrobial	3,5-Dibromo-1,6-dihydroxy-4-oxo-2-cyclohexene-1-acetonitrile	108526-92-7
Aplysina parvula, Aplysina spp.	Defensive secretion	Aplysioviolin	15265-71-1
Aplysina sp.	Adenosine A1 receptor antagonist	Aplysidine	144096-49-1
Aplysina sp.	Cytotoxic weakly	Isoplysin A	158761-04-7
Aplysina spp., Luffariella sp., Pseudoceratina crassa	Antifeedant to fish	Keruffarides	
Aplysinella sp.	Immunosuppressant	Psammmaplysin D	149415-75-8
Aplysinella sp., Pseudoceratina purpurea	Immunosuppressive	Psammmaplysin E	149415-76-9
Aplysinella sp., Pseudoceratina purpurea	Antifouling	Psammmaplysin E	149415-76-9
Aplysinopsis reticulata	Monoamine oxidase inhibitor	N-3'-Methylaplysinopsin	66492-97-5
Aplysinopsis sponge	Antiinflammatory	Aplyolide A	135288-73-2
Apocynum, Adonis spp.	Cardiotonic, Antineoplastic	Cymarin	508-77-0

Strophanthus spp.	Actions similar to those of Digoxin	Cymarín	508-77-0
Aptenodytes patagonicus	Antimicrobial	Sphenisin	
Aptostichus schlingeri	Insecticidal	Aptotoxins	
aquatic fungus Dendrospora tenella	Gram-positive bacteria inhibitor	Tenellic acid B	225229-26-5
Aquilaria malaccensis	Antitumor	1,3-Dibehenoyl-2-feruloylglycerol	80324-81-8
Okra (Hibiscus exculentus) fruit mucilage.	Allelopathic	Lepidimoic acid	157676-09-0
Arabidopsis thaliana, Lepidium sativum (garden cress)	Fructose 2,6-biphosphate level increaser in plants	Lepidimoic acid	157676-09-0
Exudates of all plant species.	Growth promoter	Lepidimoide	157676-09-0
Arachidonic acid	Prostaglandin agonist	3-Hydroxy-5,8,11,14-eicosatetraenoic acid	135295-02-2
Arachidonic acid	Protein kinase stimulator	3-Hydroxy-5,8,11,14-eicosatetraenoic acid	135295-02-2
Arachidonic acid	Immunostimulant	3-Hydroxy-5,8,11,14-eicosatetraenoic acid	135295-02-2
Brown alga Laminaria angustata	Prostacyclin synthase inhibitor	15-Hydroperoxy-5,8,11,13-eicosatetraenoic acid	70981-96-3
Rat brain	Immunohormone	12-Hydroxy-5,8,10,14-eicosatetraenoic acid	54397-83-0
Red alga Murrayella pericladus	Cell growth inhibitor	12-Hydroxy-5,8,10,14-eicosatetraenoic acid	54397-83-0
Sponge Echinochalina mollis	Proinflammatory	12-Hydroxy-5,8,10,14-eicosatetraenoic acid	54397-83-0
Arachidonic acid	Toxic to brine shrimp	12-Hydroxy-5,8,10,14-eicosatetraenoic acid	54397-83-0
Arachis hypogaea	Antifungal	Hypogin	
Arachis hypogaea	Antifungal	Hypotin	
Arachis hypogaea	Antibacterial	Hypotin	
Arachis hypogaea	Antibacterial	Hypotin	
Arachis hypogaea	Catalyses the reaction of malonyl-CoA with anthranilate	Anthranilate N-malonyltransferase	94489-98-2
Arachis hypogaea	Phytoalexin	Arachidin I (E,E)	98391-38-9
Arachis hypogaea	Phytoalexin	3,4',5-Trihydroxy-4-prenylstilbene (Z)	61517-88-2
Arachis hypogaea	Phytoalexin	3,4',5-Trihydroxy-4-prenylstilbene (E)	61517-87-1
Peanuts infected with Puccinia arachidis	Phytoalexin	1,11-Diphenoxyundecane	141620-04-4
Arachis paraguariensis	Inhibits development of <i>Spodoptera litura</i> larvae	1-O-Caffeoyl-4-deoxyquinic acid	153444-59-8
Arachniodes standishii, Angylocalyx spp.	α -Glucosidase inhibitor	1,4-Dideoxy-1,4-imino-D-arabinitol	100937-52-8
Arachniotus aureus	Antineoplastic	Aranotin	19885-51-9
Arachniotus aureus	Antiviral	Aranotin	19885-51-9
Arachniotus aureus	Anti-viruses	Acetylaranotin	20485-01-2
Aspergillus terreus	Mycobacteria inhibitor	Antibiotic LL-S-88 A"	20485-01-2
Arachniotus aureus, Aspergillus terreus	Gram-positive bacteria inhibitor	Antibiotic A 21101 II	20485-01-2

Arachnietus aureus, Aspergillus terreus	Plant growth inhibitor	Didethiodi(methylthio)acetyla ranotin	20485-02-3
Arachnietus aureus, Aspergillus terreus	Antiviral	Didethiodi(methylthio)acetyla ranotin	20485-02-3
<i>Arachnietus flavoluteus</i>	Antibacterial	Aranoflavin B	
<i>Arachnietus flavoluteus</i>	Antitumor	Aranoflavin B	
<i>Arachnietus flavoluteus</i>	Antibiotic	Aranoflavin B	
<i>Arachnietus flavoluteus</i>	Antibacterial	Aranoflavin A	11076-00-9
<i>Arachnietus flavoluteus</i>	Antitumor	Aranoflavin A	11076-00-9
<i>Arachnietus flavoluteus</i>	Antibiotic	Aranoflavin A	11076-00-9
<i>Arachnietus punctatus</i>	Plk1 inhibitor	Gymnastatin N	
<i>Aralia bipinnata</i> , <i>Lindera obtusiloba</i> , <i>Zanthoxylum ailanthoides</i> , <i>Zanthoxylum</i> <i>avicennae</i>	Cytotoxic	9- <i>O-trans</i> -Feruloyl-5,5'- dimethoxylariciresinol	166322-14-1
<i>Aralia cordata</i> (udo)	Inhibits ornithine decarboxylase	ent-7-Oxo-8(14),15- pimaradien-19-oic acid	23807-90-1
<i>Aralia elata</i>	Cytotoxic	Aralin	
<i>Aralia elata</i>	Apoptosis inducer	Aralin	
<i>Araliorhamnus vaginata</i> , <i>Rumex</i> <i>japonicum</i>	Antimicrobial	3-Acetyl-5-hydroxy-7- methoxy-2-methyl-1,4- naphthoquinone	144761-28-4
<i>Arariba rubra</i>, <i>Simira rubra</i>	Cytotoxic intercalating	1-Methyl-β-carboline	486-84-0
<i>Passiflora incarnata</i>, <i>Passiflora</i> spp.	Plant growth inhibitor	1-Methyl-9H-pyrido[3,4- b]indole	486-84-0
<i>Nocardia</i> sp.	Enzyme inhibitor	Harman	486-84-0
<i>Streptomyces</i> sp., <i>Costaticella hastata</i>	Sedative	Aribine	486-84-0
A trace fluorescent dinoflagellate <i>Noctiluca miliaris</i>.	Hallucinogen	Zygofabagine	486-84-0
<i>Araucaria cunninghami</i>, <i>Metasequoia</i> <i>glyptostroboides</i>, <i>Cephalotaxus</i> <i>drupaceae</i>, <i>Taxus cuspidata</i>, <i>Ginkgo</i> <i>biloba</i>	CAMP-phosphodiesterase inhibitory	Ginkgetin	481-46-9
<i>Arbacia punctulata</i>	Sperm regulation activator	<i>Arbacia punctulata</i> Sperm- activating peptide	140668-76-4
<i>Arbacia pustulosa</i>, <i>Echinothrix</i> spp., <i>Scaphechinus mirabilis</i>	Spermatozoa activating, agglutinating	Echinochrome A	517-82-8
<i>Arbutus menziesii</i>	Antibacterial	Madronin	
<i>Arca noae</i>, in <i>Panus tigrinus</i>. marine polychaete worm <i>Audouinia</i> <i>tentaculata</i>	Lowers blood sugar of mammals	<i>Arcaine</i>	544-05-8
<i>Arca noae</i> mussel, sponge <i>Axinella</i> <i>verrucosa</i>	Antibacterial	Zooanemonin	584-91-8
Sea anemone <i>Anemonia sulcata</i>	Antineoplastic	Anemonin	584-91-8
<i>Arca zebra</i>	Fish attractant	Arcamine (S)	56857-48-8
<i>Archangium gephyra</i>	Antifungi	Gephyronic acid	161161-52-0
<i>Archangium gephyra</i>	Yeasts inhibitor	Gephyronic acid	161161-52-0
<i>Archangium gephyra</i>	Eukaryotic protein synthesis cytostatic Specific inhibitor	Gephyronic acid	161161-52-0
<i>Archangium gephyra</i>	Antifungal	Melithiazole M	248938-53-6

Archangium gephyra	Cytotoxic	Melithiazole M	248938-53-6
Archangium gephyra	V-ATPase inhibitor	Archazolide B	
Archangium gephyra	Cytotoxic	Archazolide B	
Archangium gephyra	V-ATPase inhibitor	Archazolide A	149633-98-7
Cystobacter violaceus	Antifungal	Archazolide A	149633-98-7
Cystobacter violaceus	Antineoplastic	Archazolide A	149633-98-7
Archangium gephyra	Antifungal	Melithiazole A	170894-30-1
Melittangium lichenicola	Cytotoxic	Melithiazole A	170894-30-1
Archangium gephyra	β -Methoxyacrylate inhibitor	Cyrmenin B ₂	
Archangium gephyra	β -Methoxyacrylate inhibitor	Cyrmenin B ₁	
Archangium gephyra	β -Methoxyacrylate inhibitor	Cyrmenin A	
Cystobacter armeniacae	Antifungal	Cyrmenin B ₂	
Cystobacter armeniacae	Antifungal	Cyrmenin B ₁	
Cystobacter armeniacae	Antifungal	Cyrmenin A	
Archangium gephyra strain Ar 8082	Immunosuppressants	Argyrins	
Archangium gephyra, Cystobacter fuscus	Antifungal	Melithiazole B	170894-31-2
Melittangium lichenicola	Cytotoxic	Melithiazole B	170894-31-2
Archidoria tuberculata	Ichthyotoxic	Archidoria	153415-51-1
Arctic bramble Rubus arcticus, green algae, sleepy grass sp. Stipa vaseyi. Streptomyces olivaceus	Hypnotic	Diacetone alcohol	123-42-2
Arctium lappa	Allelopathic	Arctigenic acid	42320-79-6
Arctium minus, Centaurea melitensis, Arctium lappa	Antineoplastic	Arctiopicrin	19889-01-1
Arctostaphylos columbiana, Arctostaphylos patula, Arctostaphylos uva-ursi, Leucothoe keiskei	HIV-1 protease inhibitor	Uvaol	545-46-0
Crataegus cuneata, Osmanthus fragrans Ilex latifolia, Nerium oleander, Vauquelinia corymbosa, Crataegus pinnatifida, Pieris japonica. olive oil	Antineoplastic	Uvaol	545-46-0
Arcyria denudata	Protein kinase C inhibitor	Arcyriarubin A	119139-23-0
Arcyria denudata	Enzyme inhibitor	Arcyriaflavin C	73697-65-1
Metatrachia vesparium	Calmodulin antagonist	Arcyriaflavin C	73697-65-1
Streptosporangium vulgare	Insecticidal	Arcyriaflavin C	73697-65-1
Arcyria ferruginea	Cell-cycle inhibitor	Dihydroarcyriarubin C	
Arcyria nutans	Cytotoxic	Arcyriacyanin A	188548-81-4
Arcyria nutans	Protein kinase C inhibitor	Arcyriacyanin A	188548-81-4
Arcyria nutans	Tyrosine kinase inhibitor	Arcyriacyanin A	188548-81-4
Ardisia colorata	Cytotoxic	Ardisiphenol B	
Ardisia colorata	Cytotoxic	Ardisiphenol A	
Ardisia colorata	Cytotoxic	Ardisiphenol C	
Ardisia crenata	Platelet aggregation inhibitor	Antibiotic FR 900359	107530-18-7
Ardisia crenata	Hypotensive	Antibiotic FR 900359	107530-18-7

Ardisia crenata, Ardisia crispa, Myrsine australis	Cytophatic	Ardisiacrispin B	112766-96-8
Ardisia iwahigensis	Cytotoxic moderately	Ardisenone	190064-85-8
Ardisia japonica	Antioxidant	Ardimerin	546114-44-7
Ardisia japonica	HIV-1 Rnase inhibitor	Ardimerin 6',6"-digallate	937791-42-9
Ardisia japonica	HIV-2 Rnase inhibitor	Ardimerin 6',6"-digallate	937791-42-9
Ardisia japonica, Belamcanda chinensis f. vulgaris	Inhibitor of 5-lipoxygenase	Ardisianone A	97987-89-8
Ardisia macrocarpa	Antifungal	2,5-Dihydroxy-3-pentadecyl-1,4-benzoquinone	21551-65-5
Lysimachia vulgaris	Cytotoxic	Homorapanone	21551-65-5
Maesa lanceolata	ACE inhibitory	Homorapanone	21551-65-5
Ardisia pusilla, in Chuan Chan Jiu Jie Long	Immunoactive	Ardipusilloside II	153127-35-6
Ardisia pusilla	Immunoactive	Ardipusilloside I	153127-34-5
Ardisia sieboldii	5-Lipoxygenase inhibitor	Ardisiaquinone F (Z)	99621-86-0
Ardisia sieboldii	5-Lipoxygenase inhibitor	Ardisiaquinone E	99621-87-1
Ardisia sieboldii (Myrsinaceae)	5-Lipoxygenase inhibitor	Ardisiaquinone D	99621-85-9
Areca catechu (betel nut)	GABAA-receptor agonist	Isoguvacine	64603-90-3
Areca catechu (betel nut)	Anxiolytic-like in animal model	Isoguvacine	64603-90-3
Areca catechu (betel nut)	Pharmacological tool	Isoguvacine	64603-90-3
Areca catechu (betel nut) (Palmae)	Potent inhibitor of 4-Aminobutanoic acid (GABA) uptake	Guvacine	498-96-4
Areca catechu	Cholinergic	Arecaidine	499-04-7
Betel nuts (Palmae)	Anthelmintic	Arecaine	499-04-7
Areca catechu (Palmae)	Cathartic	Arecoline	63-75-2
Areca catechu (Palmae)	vermifuge	Arecoline	63-75-2
Areca catechu (Palmae)	Hypotensive	Arecoline	63-75-2
Areca catechu (Palmae)	Cholinergic	Arecoline	63-75-2
Areca catechu (Palmae)	Purgative	Arecoline	63-75-2
Areca catechu (Palmae)	Taenifuge in veterinary medicine	Arecoline	63-75-2
Areca catechu, Pinus taeda, Rheum sp.	Reverse transcriptase inhibitor	Arecatannin A1	79813-67-5
Arenicola marina	Antimicrobial	Arenicins	
Arenicola marina	Antibacterial	Arenicins	
Arenochalina mirabilis, Batzella sp., Monanchora unguifera	Antifungal	Mirabilin B	182266-75-7
Argania spinosa (argan), Madhuca butyracea, Clerodendrum wildii, Mimusops spp.	Molluscicide	Arganine F	144425-22-9
Argemone mexicana, Brassica juncea, Solanum sp.	Antioxidant	Isorhamnetin 3,7-diglucoside	6758-51-6
Argemone platyceras, Coptis japonica	Catalyses the reaction of S-adenosyl-L-methionine with norcoclaurine (see Higenamine	(RS)-Norcoclaurine 6-O-methyltransferase	89700-33-4
Argemone, Chelidonium spp.	Potent Cytotoxic functioning by DNA intercalation	Pseudochelerythrine	2447-54-3

Chelidonium spp.	Uncoupling of oxidative phosphorylation	Pseudochelerythrine	2447-54-3
Eschscholtzia, Glaucium spp.	Alanine aminotransferase inhibitor	Pseudochelerythrine	2447-54-3
Hypecoum spp.	Acetylcholine transferase inhibitor	Pseudochelerythrine	2447-54-3
Macleaya, Meconopsis spp.	Human plasma diamine oxidase inhibitor	Sanguinarine	2447-54-3
Platystemon, Romneya spp.	Andrenergic receptor antagonist.	Sanguinarine	2447-54-3
Stylomecon, Stylophorum spp.	Antimicrobial	Sanguinarine	2447-54-3
Corydalis, Dicentra spp.	Antiinflammatory	Sanguinarine	2447-54-3
Argemone, Bocconia spp.	Antiplatelet	Sanguinarine	2447-54-3
Dicranostigma spp.	Anaesthetic	Sanguinarine	2447-54-3
Hunnemannia, Hylomecon spp.	Antifungal	Sanguinarine	2447-54-3
Bocconia, Papaver spp.	Hepatotoxic	Sanguinarine	2447-54-3
Sanguinaria spp.	Used in toothpastes, oral rinses	Sanguinarine	2447-54-3
Corydalis, Dicentra spp.	Causes temporary change in intraocular pressure	Sanguinarine	2447-54-3
Pteridophyllum spp.	Causes glaucoma. Banned by FDA	Sanguinarine	2447-54-3
Argiope lobata	Glutamate receptor antagonist	Argiopine	105029-41-2
Argoporis alutacea	Allomone	5-Ethyl-1,4-naphthalenedione	62784-43-4
Argoporis spp.	Allomone	6-Ethyl-1,4-naphthalenedione	17539-30-9
Argopsis megalospora, Argopsis friesana, Pannaria sp. , Erioderma chilense, Lecidea efflorescens	Potent Antibacterial	Argopsin	52809-10-6
Argyreia, Rivea spp., ergot	CNS excitator acting by stimulation of sympathetic centres	Agroclavine (–)-form	548-42-5
Cuscuta, Ipomoea spp.	Anti-gram-positive bacteria	Agroclavine (–)-form	548-42-5
Penicillium , Aspergillus , Rhizopus spp.	Mycotoxin	Agroclavine (–)-form	548-42-5
Argyrocystis battandieri, Erythrina variegata, Glycine wightii inoculated with Phytophthora megasperma	Cytotoxic	Erythrinin B	51225-30-0
Glycyrrhiza glabra (licorice), Laburnum anagyroides, Lupinus spp., Neonotonia wightii	Cytotoxic. Phytoalexin. Insecticide	Wighteone	51225-30-0
Arisaema jacquemontii	Antitumor	Arisaeminone	149575-60-0
Aristolochia arcuata	False neurotransmitter	1,2,3,4-Tetrahydro-6,7-dihydroxy-1-methylisoquinoline (S)	27740-96-1
Aristolochia arcuata	Potent inhibitor of dopamine uptake into rat brain	1,2,3,4-Tetrahydro-6,7-dihydroxy-1-methylisoquinoline (S)	27740-96-1
Aristolochia arcuata	Catecholamine O-methyltransferase inhibitor	1,2,3,4-Tetrahydro-6,7-dihydroxy-1-methylisoquinoline (S)	27740-96-1
Aristolochia argentina	Platelet aggregation inhibitory	Aristolactam β III	53948-10-0
Fissistigma spp.	Platelet aggregation inhibitory	Aristolactam A III	53948-08-6
Aristolochia spp. (Aristolochiaceae)	Cytotoxic	Aristolactam A II	53948-07-5
Aristolochia indica	Platelet aggregation inhibitory	Aristolactam A II	53948-07-5

Aristolochia argentina, Aristolochia indica,, tubers of Aristolochia rotunda, Aristolochia debilis, Chinese drug Fang-chi (Aristolochiaceae)	Cytotoxic	8-Methoxybenzo[f]-1,3-benzodioxolo[6,5,4-cd]indol-5(6H)-one 10-Amino-8-methoxy-3,4-methylenedioxy-1-phenanthrenecarboxylic acid lactam Aristolactam Aristololactam	13395-02-3
Aristolochia argentina, Schefferomitra subaequalis , callus tissue of Stephania cepharantha, stem bark of Goniothalamus velutinus	Plateletaggregation inhibitory	Aristolactam β II	53948-09-7
Aristolochia debilis, tubers of Aristolochia rotunda. An active principle of ``Tong Cheng Hu Geng'', of Chinese drug Fang-chi. butterfly Zerynthia polyxena	Cytotoxic	Aristolochic acid C	4849-90-5
Aristolochia moupinensis, Cannabis sativa, Asimina triloba	Platelet aggregation inhibitor	<i>N-trans</i> -Feruloyltyramine	66648-43-9
Annona montana , Tribulus terrestris, Piper nigrum, Cananga odorata	Hepatoprotective	Moupinamide	66648-43-9
Aristolochia spp.	Phospholipase A2 inhibitor	Aristolochic acid I	313-67-7
Chinese drug Fang-chi	Antineoplastic	Aristolochin	313-67-7
Asarum canadense var. reflexum	Antiseptic	Aristolochic acid A	313-67-7
Bragantia wallichii	Antiinflammatory	Aristolochic acid	313-67-7
Butterflies Pachlioptera aristolochiae	Bactericidal	Isoaristolochic acid	313-67-7
Battus archidamas	Platelet aggregation inhibitor	Aristolochic acid I	313-67-7
Thottea wallichii	Cytotoxic	8-Methoxy-3,4-methylenedioxy-10-nitro-1-phenanthrenecarboxylic acid	313-67-7
Aristolochia tuberosa, Aristolochia argentina	Cytotoxic	Aristolactam IIIa	97399-89-8
Aristotelia serrata	Hypotensive	Aristoteline (+)	57103-59-0
leaves and stems of Aristotelia chilensis	Pulse rate reduction	Aristoteline (+)	57103-59-0
Armadillidium vulgare	Antimicrobial	Armadillidin	
Armillaria mellea (honey mushroom)	Gram-positive bacteria inhibitor	Armilaric acid	129251-06-5
Armillaria mellea (honey mushroom)	Yeasts inhibitor	Armilaric acid	129251-06-5
Armillaria mellea (honey mushroom)	Antibacterial	Melledonol	103847-14-9
Armillaria mellea (honey mushroom)	Antibacterial	Melleolide C	101901-56-8
Armillaria mellea (honey mushroom)	Antibacterial	Armillyl everninate	102092-44-4
Armillaria mellea (honey mushroom)	Antibacterial	Melledonal	103847-15-0
Armillaria mellea	Bacillus subtilis inhibitor	Melledonal A	
Armillaria novae-zelandiae	Escherichia coli inhibitor	Melledonal C	117458-35-2
Honey mushroom	Candida albicans inhibitor	Melledonal C	117458-35-2

Armillaria mellea (honey mushroom), Armillaria novae-zelandiae	Gram-positive bacteria inhibitor	Armillyl orsellinate	82105-51-9
Armillaria mellea (honey mushroom)	<i>Bacillus subtilis</i> inhibitor	Melleolide	82869-08-7
Armillaria novae-zelandiae	Escherichia coli inhibitor	Melleolide	82869-08-7
Armillaria ostoya	Antifungal	Melleolide	82869-08-7
Heterobasidium annosum	Phytotoxin	Melleolide	82869-08-7
Armillaria mellea (honey mushroom), Armillaria ostoya, Heterobasidium annosum	Phytotoxic	4-O-Methylmelleolide	96627-13-3
Armillaria mellea (honey mushroom), Armillaria ostoya, Heterobasidium annosum	Phytotoxic	Armillaridin	96684-80-9
Armillaria mellea (honey mushroom), Armillaria ostoya, Heterobasidium annosum	Phytotoxic	Armillarin	83329-14-0
Armillariella mellea (honey mushroom), Armillaria novae-zelandiae	Antibacterial, Antifungal	10 α -Hydroxymelleolide	130396-93-9
Arnica sachalinensis, Hofmeisteria schaffneri	Phytotoxin		223680-32-8
Arnica sp.	Nematicidal	Linaroside	53452-12-3
Arothron nigropunctatus	Paralytic poison	11-Deoxytetrodotoxin	112174-24-0
Cynops ensicauda	Phycotoxin	11-Deoxytetrodotoxin	112174-24-0
Fugu spp., marine spp.	Na ion blocker	11-Deoxytetrodotoxin	112174-24-0
Arothron nigropunctatus, Cynops ensicauda, Fugu spp., marine spp.	Phycotoxin	6-Epitetrodotoxin	112318-40-8
Arothron nigropunctatus	Phycotoxin	4-Epitetrodotoxin	98242-82-1
Cynops ensicauda, Fugu spp.	Sodium channel blocker	4-Epitetrodotoxin	98242-82-1
Octopus maculosus, marine spp.	Paralytic poison	4-Epitetrodotoxin	98242-82-1
Artabotrys zeylanica	Cytotoxic	Artabotrine	166833-81-4
Artemisia absinthium (wormwood), Artemisia spp.	Bitter principle present in absinthe		1362-42-1
Artemisia absinthium (wormwood), Magnolia pterocarpa, Virola elongata, Zanthoxylum planispinum	Platelet-activating factor inhibitor	(+)-Fargesin	68296-27-5
Artemisia annua	Antibacterial	Artemisinic acid	80286-58-4
Artemisia annua	Antifungal	Arteannuin B	50906-56-4
Artemisia annua	Phytotoxin	Qing Hau Sau II	50906-56-4
Artemisia annua	Antimalarial	Deoxyartemisinin	72826-63-2
Artemisia annua	Antiviral	Deoxyarteannuin	72826-63-2
Artemisia annua	In biosynthesis of Artemisinin	4-Amorphen-12-oic acid	85031-59-0
Artemisia annua (Qinghaosu)	Phytotoxic	Qinghaosu	63968-64-9
Artemisia annua (Qinghaosu)	Antimalarial	Qing Hau Sau	63968-64-9
Artemisia annua (Qinghaosu)	Against drug-resistant malarial strains	Qinghaosu	63968-64-9
Artemisia anomala, Artemisia sylvatica	Farnesyl-protein transferase inhibitor	Artanomaloide	112823-41-3
Artemisia arborescens, Artemisia carruthii	Antiinflammatory	Matricin	29041-35-8
Matricaria chamomilla (German	Antispasmodic	Prochamazulene	29041-35-8

chamomile)			
Artemisia arbuscula, Saussurea lappa, Magnolia coco, Vanillosmopsis erythropappa	Plant growth regulator	Arbusculin A	27652-22-8
Artemisia balchanorum, Michelia compressa, Tanacetum praeteritum , Saussurea lappa, Chrysanthemum parthenium, Achillea pratensis	Antimycobacterial	Santamarine	4290-13-5
Artemisia caerulescens, Ligularia dentata, Senecio bracteolatus. soft coral, Sinularia sp.	Cytotoxic	Ligucyperonol	
Tanacetum sibiricum, Eriodictyon spp., Lespedeza spp.	Toxic to brine shrimp	Homoeriodictyol	446-71-9
Artemisia capillaris	Aldose reductase inhibitor	Capillarisin	56365-38-9
Artemisia capillaris	Chloretic	Artepillin A	114590-54-4
Artemisia capillaris	Choleretic principle	Capillartemisin B	85819-51-8
Artemisia capillaris	Choleretic principle	Capillartemisin A	85819-52-9
Artemisia capillaris, Artemisia annua	Antihepatotoxic	Arcapillin	83162-82-7
Artemisia capillaris, Werneria stuebelii	Root growth promotor	Capillarol	107140-61-4
Artemisia dracunculus (tarragon), Artemisia spp.	Antibacterial	2,4-Hexadiynylbenzene	520-74-1
Agropyron repens, impure Capillene	Seed germination inhibitor	Capillene	520-74-1
Artemisia dracunculus (tarragon), Chrysanthemum spp., Santolina rosmarinifolia	Antifungal	2,4-Hexadiynophenone	495-74-9
Artemisia capillaris. Component of Yin Chen Hao	Antitumor	Capillone	74743-50-3
Orthodon methylchavicoliferum, Agastache rugosa	Antibacterial weak	3-(4-Methoxyphenyl)-2-propenal	24680-50-0
Artemisia dracunculus, Sphaeranthus indicus	Antitrichomonas	p-Methoxycinnamaldehyde	24680-50-0
Artemisia dracunculus, Artemisia spp.	Antifungal	L-Pinitol	3559-00-0
Artemisia giraldii	Antibacterial	4',6,7-Trihydroxy-3',5'-dimethoxyflavone	177602-71-0
Artemisia giraldii var. giraldii	Antifungal	Santolinyol	222845-06-9
Artemisia glabella	Farnesyl transferase inhibitor	Arglabin	84692-91-1
Artemisia myriantha	Antineoplastic	Arglabin	84692-91-1
Artemisia mexicana	Antitumor	Arglabin	84692-91-1
Artemisia sp., Ambrosia cumanensis, Ambrosia cuacanthicarpa	Cytotoxic	Cumambrin B	21982-83-2
Artemisia princeps	degranulation inhibiting	Yomogin	10067-18-2
Artemisia princeps	Inhibits the release of β -hexosaminidase	Yomogin	10067-18-2
Artemisia princeps	nitric-oxide production	Yomogin	10067-18-2
Artemisia sacrorum, Artemisia stolonifera, Artemisia santolinifolia, Artemisia annua , Rhodiola linearfolia	Cytostatic	Rodiolinozide Annphenone	61775-18-6
Artemisia santonicum, Artemisia spp.	antiprotozoal	8 α -Hydroxytaurin	119240-63-0
Artemisia scotina, Azadirachta indica	Antimalarial	Isofraxidin	486-21-5
Fraxinus excelsior, Pterocaulon	Insecticidal	7-Hydroxy-6,8-	486-21-5

redolens		dimethoxycoumarin	
Magnolia grandiflora, Cichorium pumilum	differentiation inducing effect on leukaemia cells	Magnolialide	72145-13-2
Artemisia spp., Baccharis spp., Flourensia sp.	Cytotoxic	Artepillin C	72944-19-5
Relhania sp. propolis	Antitumor	Artepillin C	72944-19-5
Artemisia spp., Kuhnia eupatorioides, Achillea spp.	Inhibits apoptosis	Artemetin	479-90-3
Brickellia sp., Achillea spp., Brickellia spp.	Antiproliferative effect	Artemitin	479-90-3
Artemisia sylvatica	Inhibitor of farnesyl transferase	Arteminolide A	211756-92-2
Artemisia sylvatica	Inhibitor of farnesyl transferase	8-Acetylarteminolide A	289884-94-2
Artemisia tridentata, Artemisia afra	Bactericide for slimes in paper mills	Methacrolein	78-85-3
Artemisia vulgaris (mugwort)	Chymotrypsin inhibitor	12-Ursen-3-ol (3 β)	638-95-9
Lactuca denticulata	Antineoplastic	α -Amyrin	638-95-9
Very widely distributed in Burseraceae, Rosaceae	Antineoplastic	Viminalol	638-95-9
Widely distributed in Moraceae, Gramineae	Chymotrypsin inhibitor	12-Ursen-3-ol (3 β)	638-95-9
Artemisia vulgaris (mugwort)	Antineoplastic	α -Amyrin	638-95-9
Lactuca denticulata	Trypsin inhibitor	Viminalol	638-95-9
Artemisia vulgaris, Artemisia spp., Achillea pratensis	Hypoglycaemic orally	Vulgarin	3162-56-9
Artemisia, Baccharis spp.	Potassium ion channel blocker		480-43-3
Tanacetum, Wyethia spp.	Antifungal		480-43-3
Gymnopentzia, Betula spp.	Cytotoxic		480-43-3
Notholaena, Prunus spp.	Anti-Helicobacter pylori		480-43-3
Artemisia, Caryopteris, Cinnamomum spp.	Sedative	β -Caryophyllene	87-44-5
Citrus, Eucalyptus, Juniperus, Lavandula spp.	Lemon balm active principle	Caryophyllene	87-44-5
Melissa, Mentha, Pinus, Salvia, Thymus spp. clove tree	Antibacterial	Tincturoid	87-44-5
Cinnamomum, Juniperus, Eucalyptus, Mentha spp.	Antiseptic	<i>p</i> -Menth-1-en-8-ol	98-55-5
Arthrinium arundinis ATCC 74359	Antifungal	Arundifungin	194724-72-6
Arthrinium M5071	Glucosyltransferase inhibitor	M 5071	
Arthrinium M5071	Used as a preventive of tooth decay	M 5071	
Arthrinium phaeospermum, Bostrichonema alpestre, Nigrospora oryzae	Gram-positive bacteria inhibitor	Bostrycin	21879-81-2
Arthrinium phaeospermum, Bostrichonema alpestre, Nigrospora oryzae	Antitumor	Bostrycin	21879-81-2
Arthrinium sp. FA1744	Antifungal	Arthrione	162112-39-2
Arthrinium sp.	Syncytium formation inhibitor	Terpestacin	146436-22-8
Bipolaris cynodontis	Antiviral	Terpestacin	146436-22-8
Bipolaris sorokiniana	Antitumor	Terpestacin	146436-22-8

Ulocladium sp.	Phytotoxin	Terpestacin	146436-22-8
Arthrobacter	Catalyses the reaction of 9H-Fluoren-9-ol	9-Fluorenol dehydrogenase	154215-16-4
Arthrobacter oxydans	Catalyses the reaction of Nicotine	Nicotine dehydrogenase	37256-31-8
Arthrobacter pascens	Microbial iron chelator	Arthrobactin	39007-57-3
Arthrobacter sp.	Gram-negative, -positive bacteria inhibitor	Antibiotic 02-8	76296-18-9
Arthrobacter sp.	Antibacterial	1-Hydroxy-3-methyl-2-(2-nonenyl)-4(1H)-quinolinone	162382-62-9
Arthrobacter sp.	Antiangiogenesis	Tecogalan	
Arthrobacter sp.	Kaposi's sarcoma inhibitor	Tecogalan	
Arthrobacter sp.	Anti-HIV-1	Tecogalan	
Arthrobacter sp.	Biosurfactant	Arthrofactin	
Arthrobacter sp.	Cell growth inhibitor	Arthrobacilin	
Arthrobacter sp.	Antibacterial	Antibiotic 02-8	81604-33-3
Arthrobacter sp.	Antibacterial	Antibiotic 02-8-I	82851-80-7
Arthroderma F-10239	Antitumor	Antibiotic FR 901308	135975-25-6
Artocarpus altilis	Cathepsin inhibitor	Cycloaltilisin 6	
Artocarpus altilis	Cathepsin inhibitor	Cycloaltilisin 7	
Artocarpus chama	Cytotoxic	Artochamin C	697234-27-8
Artocarpus champeden	Cytotoxic	Artoindonesianin V	749908-33-6
Artocarpus champeden	Cytotoxic	Artoindonesianin U	749908-32-5
Artocarpus communis (breadfruit)	5-Lipoxygenase inhibitor	2-Geranyl-2',3,4,4'-tetrahydroxydihydrochalcone	113866-89-0
Artocarpus communis (breadfruit)	Antiallergic	2-Geranyl-2',3,4,4'-tetrahydroxydihydrochalcone	113866-89-0
Artocarpus communis (breadfruit), Conyza welwitschii	ACE inhibitor	9-Hydroxy-10,12,15-octadecatrienoic acid	89886-42-0
Dunaliella acidophila, Glechoma hederacea, Pistia stratiotes	Phytoalexin in rice plant	9-Hydroxy-10,12,15-octadecatrienoic acid	89886-42-0
Artocarpus communis, Morus alba	Platelet aggregation inhibitor	Dihydroisocycloartomunin	145643-97-6
Artocarpus communis rootbark, Morus albaand	Platelet aggregation inhibitor	Cyclocommunin	145682-71-9
Artocarpus elasticus	Antineoplastic	Artelastin	182052-05-7
Artocarpus elasticus	Cytotoxic	Carpelastofuran	404889-57-2
Artocarpus gomezianus	Tyrosinase inhibitor moderately	Artogomezianol	
Artocarpus heterophyllus (jackfruit)	tyrosinase inhibitory	Norartocarpetin	520-30-9
Artocarpus incisus (breadfruit)	5α-Reductase inhibitor	3'-Geranyl-2',3,4,4'-tetrahydroxychalcone	
Artocarpus incisus (breadfruit)	Melanin biosynthesis inhibitor	Isoartocarpesin	
Artocarpus incisus (breadfruit)	Tyrosinase inhibitor	Artocarbene	194144-02-0
Artocarpus integer (champedak)	Antimalarial	Artoindonesianin F	290810-08-1
Artocarpus integer (champedak), white mulberry	Phytoalexin	2',3,4',5-Tetrahydroxy-4-prenylstilbene (E)	69065-16-3
Artocarpus lakoocha	Antimycobacterial	Lakoochin B	
Artocarpus lakoocha	Cytotoxic	Lakoochin B	
Artocarpus lakoocha (lakoocha)	Antimycobacterial	Lakoochin A	

Artocarpus lanceifolius	Cytotoxic	Artoindonesianin P	148719-53-3
Artocarpus rigida	Antiinflammatory	Artocarpol I	
Artocarpus rigida	Antiinflammatory	Artocarpol A	289625-17-8
Artocarpus rigida	Antiinflammatory (tetra-Ac)	Artocarpol J	
Artocarpus rigida	Inhibitor of 5-lipoxygenase	Dihydroisoartoinin E	144808-18-4
Artocarpus rotunda	Cytotoxic	Artoindonesianin L	443873-66-3
Artogeia rapae	Antibacterial		196717-62-1
Arum palaestinum	Cytotoxic	Hinnavin I	943985-04-4
Arum palestinum, Adonis, Gentiana, Helenium, Passiflora spp.	Antibacterial	Piperazirum	4261-42-1
Aruncus dioicus tenuifolius	Antimicrobial	Isoorientin	
Arundina bambusifolia	Antiinflammatory	Antibiotic YSL	
Arundo donax, Phalaris arundinacea, some Lupinus spp., barley shoots	Antifouling	3-[(Dimethylamino)methyl]indole	87-52-5
Acer saccharinum, Acer rubrum, Brassica oleracea, Desmodium pulchellum	Barnacle repellent	Gramine	87-52-5
Arundo donax. Vibrio parahaemolyticus	Major digestive 1H-Indole-3-methanol	Arundine	5/4/1968
Asarum chingchengense, Piper falconeri	Insecticidal significantly	Chingchengenamide A	139906-29-9
Asarum europaeum	Used to product of unsaturated polyesters	Aconitic acid (E)	4023-65-8
Cane-sugar molasses	Reagent used for fluorimetric analysis of tertiary amines	Aconitic acid (E)	4023-65-8
Aconitum napellus (monkshood)	Flavoring	Aconitic acid (E)	4023-65-8
Asarum indica, Asarum argentina (Aristolochiaceae)	Cytotoxic	Methyl aristolochate	1169-60-4
Asarum spp., carrot seed (Daucus carota)	Insecticidal	α -Asarone	2883-98-9
Asarum, Boronia, Xanthoxylum spp.	Antibacterial	(-)-Asarinin	133-04-0
Ascapus truei	Antimicrobials	Ascaphins	
Ascaris suum	Antimicrobial	Ascaris suum Antibacterial factor	
Ascaris suum	Neuropeptide	Peptide AF1	130092-56-7
Ascaris suum, Panagrellus redivivus, Haemonchus contortus, Caenorhabditis elegans	Mycoactive peptide	KSAYMRF amide	155455-76-8
Aschersonia sp.	Insecticide	Destruxin A ₅	176391-31-4
Aschersonia sp.	Insecticide	Destruxin A ₄	176391-30-3
Aschersonia sp. BCC 8401	Cytotoxic	Ascherxanthone A	
Ascidia mentula (as di-Na salt)	Antiproliferative	1,21-Heneicosanediol; Di-O-sulfate	189822-33-1
Ascidia mentula, Sidnyum turbinatum	Antiproliferative	1,18-Phytanediol; Disulfate	189883-33-8
Ascidia nigra	Blood pigment accumulates vanadium	Tunichrome An1	116050-17-0
Ascidia sydneyensis samea	Vanadium binding proteins	Vanabins	
Asclepias curassavica	Cardiotonic	Asclepin	36573-63-4
Asclepias syriaca, Asclepias albicans, Asclepias mellodora	Antineoplastic	Desglucouzarin	

Ascochyta caulina	Phytotoxin	Ascaulitoxin	212268-55-8
Ascochyta caulina	Herbicide	Ascaulitoxin	212268-55-8
Ascochyta chrysanthemi. fungus Pyrenophora teres	Phytotoxin	Pyrenoline A	129134-97-0
Ascochyta chrysanthemi. fungus Pyrenophora teres	Weak Antifungal	Pyrenoline A	129134-97-0
Ascochyta chrysanthemi. fungus Pyrenophora teres	Phytotoxin	Pyrenoline A	129134-97-0
Ascochyta chrysanthemi. fungus Pyrenophora teres	Weak Antifungal	Pyrenoline A	129134-97-0
Ascochyta chrysanthemi. fungus Pyrenophora teres	Antibacterial	Chrysanthone	129134-97-0
Ascochyta heteromorpha, a Phoma sp.	Anti-phytopathogenic fungi	Deoxaphomin	51053-39-5
Ascochyta pinodes	Phytotoxin	5,6-Epoxy-pinolidoxin	154827-53-9
Ascochyta pinodes	Phytotoxin	5,6-Dihydropinolidoxin	154827-52-8
Ascochyta pinodes	Phytotoxin	7-Epipinolidoxin	154905-83-6
Ascochyta pinodes	Phytotoxin	Pinolidoxin	152985-39-2
Mycosphaerella lethalis	Zootoxic	Lethaloxin	152985-39-2
Ascochyta pisa	Causes brown rot in broad beans	Ascochytin	5/2/3615
Ascochyta fabae	Anti-gram-positive, -negative bacteria	Ascochytin	5/2/3615
Ascochyta salicorniae	Anti-phytopathogen bacteria	Ascochytin	5/2/3615
Ascochyta pisa	Antifungi	Ascochytin	5/2/3615
Ascochyta salicorniae	Antiplasmodial	Ascosalipyrrolidinone A	303052-07-5
Ascochyta salicorniae	Antimicrobial	Ascosalipyrrolidinone A	303052-07-5
Ascochyta salicorniae	tyrosine kinase inhibitor	Ascosalipyrrolidinone A	303052-07-5
Ascochyta salicorniae, Kirschsteiniothelia maritima	Antibacterial	Ascochital	
Ascochyta sonchi	Phytotoxin selectively	Ascostonchine	
Ascochyta sp.	Mycotoxin	Ascochrome	145146-80-1
Ascochyta sp.	Anticoagulant	Ascochrome	145146-80-1
Ascochyta sp.	Tissue factor antagonist	Ascochrome	145146-80-1
Ascochyta sp.	Antifungal	Ascochrome	145146-80-1
Ascochyta sp.	Antiparasitic	Ascochrome	145146-80-1
Ascochyta sp.	Antianaemic	Ascochrome	145146-80-1
Ascochyta sp.	Haemostatics	Ascochrome	145146-80-1
Ascochyta sp.	Ergosterol biosynthesis inhibitor	Ascochrome	145146-80-1
Ascochyta sp.	Tissue factor pathway inhibitor	Antibiotic BK 201	145146-80-1
Ascochyta sp. AJ117309	Antitumor	Antibiotic FE 399	200127-94-2
Ascochyta viciae	Mycotoxin	Ascofuranol	51759-79-6
Ascochyta viciae	Antibiotic	Ascofuranol	51759-79-6
Ascochyta viciae	Mycotoxin	Ascofuranone	38462-04-3
Ascochyta viciae	Antitumor	Ascofuranone	38462-04-3
Ascochyta viciae	Respiration inhibitor	Ascofuranone	38462-04-3
Ascochyta viciae	Mitochondrial oxygen uptake inhibitor	Ascofuranone	38462-04-3

Ascochyta viciae	Glycerol-3-phosphate dehydrogenase inhibitor	Ascofuranone	38462-04-3
Ascocoryne sarcoides, Stilbella sp.	Antibacterial slightly	Ascocorynin	6172-48-1
Ascodesmis sphaerospora	Antibacterial	Arugosin F	216499-10-4
Ascodesmis sphaerospora	Antifungal	Arugosin F	216499-10-4
Ascodesmis sphaerospora, Cyathus intermedius, sponge-derived fungus Ulocladium botrytis	Antifungal	8-Hydroxy-1-hydroxymethyl-3-methylxanthone	60883-98-9
Ascophyllum nodosum	Lipid peroxidation inhibitor	2-[1-(1,2-Dimethylpropyl)-10-methylundecyl]-3,4-dihydro-5-iodo-2,8-dimethyl-2 <i>H</i> -1-benzopyran-6-ol	161187-78-6
Ascophyllum nodosum, Petalonia fascia, Scytosiphon lomentaria, Chorda filum, Fucus spp., Pelvetia canaliculata, Dictyota dichotoma	Biogenetic precursor of oligomeric phlorotannins, a major component of brown algae	1,2,3,5-Benzenetetrol; 2,5- <i>O</i> -Disulfate	67173-65-3
Ascotricha amphitricha, Ellisiodothis inquinans, Mycoleptodiscus atromaculans	Antifungal	Ascosteroside	178330-12-6
Asiasarum spp., Bupleurum sp., Ocotea sp., Zingiber sp.	weak Antibacterial	3,4-Dimethoxycinnamaldehyde	58045-88-8
Asimina longifolia	Cytotoxic	Longifolicin	177534-99-5
Asimina longifolia	Cytotoxic	Longicin	170902-34-8
Asimina longifolia	Cytotoxic	Longanin	180784-74-1
Asimina longifolia	Cytotoxic	4-Acetylxlomaticin	183551-75-9
Asimina longifolia	Cytotoxic	Longicoricin	177535-00-1
Asimina longifolia	Cytotoxic	Goniothalamycinone	
Asimina longifolia	Toxic to brine shrimp	Goniothalamycinone	
Asimina parviflora	Cytotoxic	Parvifloracin	157110-12-8
Asimina parviflora	Toxic to brine shrimp	Asimicilone	145701-06-0
Asimina triloba (pawpaw)	Cytotoxic	Asimitrin	
Asimina triloba (pawpaw)	Cytotoxic	4-Hydroxytrilobin	
Asimina triloba	Cytotoxic	Trilobalicin	189747-98-6
Asimina triloba	Cytotoxic	Asimicinone	
Asimina triloba	Cytotoxic	Asitrocione	
Asimina triloba	Cytotoxic	Asitrilobin A	227783-85-9
Asimina triloba	Cytotoxic	Asitrilobin C	262352-08-9
Asimina triloba	Cytotoxic	Asitrocine	307319-68-2
Asimina triloba	Cytotoxic	10-Hydroxytrilobacin	184240-39-9
Asimina triloba	Cytotoxic	Asitribin	168113-64-2
Asimina triloba	Cytotoxic	Bullatetrocin	184288-37-7
Asimina triloba	Cytotoxic	Asiminecin	156256-35-8
Asimina triloba	Cytotoxic	10-Hydroxyasimicin	184240-38-8
Asimina triloba	Cytotoxic	2,4- <i>trans</i> -Trilobacinone	189686-32-6
Asimina triloba	Cytotoxic		189686-30-4
Asimina triloba	Cytotoxic	Asitrilobin D	262352-20-5

Asimina triloba	Cytotoxic	Asiminenin B	168113-65-3
Asimina triloba	Cytotoxic	Asiminenin A	168075-11-4
Asimina triloba	Cytotoxic	<i>trans</i> -Murisolinone	172489-12-2
Asimina triloba	Cytotoxic	<i>cis</i> -Murisolinone	172489-11-1
Asimina triloba	Toxic to brine shrimp	<i>trans</i> -Murisolinone	172489-12-2
Asimina triloba	Toxic to brine shrimp	<i>cis</i> -Murisolinone	172489-11-1
Asimina triloba	Defensive against bird predation	Trilobacin	140224-67-5
Asimina triloba	Emetic	Trilobacin	140224-67-5
Asimina triloba	Cytotoxic	Murisolin A	170720-10-2
Asimina triloba	Cytotoxic	<i>cis</i> -Murisolin	170554-60-6
Asimina triloba	Cytotoxic	Bullanin	158446-27-6
Asimina triloba	Cytotoxic	Asimin	156162-01-5
Asimina triloba (pawpaw), Annona squamosa (sugar apple)	Cytotoxic	Asiminacin	156199-51-8
Asimina triloba (pawpaw), bark of Goniothalamus giganteus	Cytotoxic	Asimilobin	168075-15-8
Asparagopsis spp.	Antitussive	Tribromomethane	75-25-2
Falkenbergia rufolanosa	Sedative	Bromoform	75-25-2
Asparagopsis taxiformis	Aldose reductase inhibitor	Pentabromo-2-propenyl tribromoacetate	130034-38-7
Asparagopsis taxiformis	Aldose reductase inhibitor	Pentabromo-2-propenyl dibromoacetate	130034-39-8
Asparagopsis taxiformis	Cotton defoliant, crop desiccant	3-Chloro-2-propenoic acid (Z)	1609-93-4
Asparagopsis taxiformis	fungicidal	Dichloroacetic acid	79-43-6
Asparagopsis taxiformis	Lachrymator	1,1-Dibromo-1-chloroacetone	30957-55-2
Asparagopsis taxiformis	Postemergence contact herbicide (usually as Na salt)	Monochloroacetic acid	79-11-8
Asparagopsis taxiformis	Powerful antiseptic	Iodoform	75-47-8
Asparagopsis taxiformis, Falkenbergia rufolanosa	Lachrymator	Bromoacetone	598-31-2
Asparagus cochinchinensis, Trachycarpus wagnerianus	Cytotoxic	Pseudoprotodioscin	102115-79-7
Asparagus officinalis	Induces proliferation of single mesophyll cells		179667-63-1
Asparagus officinalis	Plant growth inhibitor	Asparagusic acid	2/4/2224
Asparagus officinalis	Nematocidal	Asparagusic acid	2/4/2224
Asparagus officinalis	Plant growth inhibitor	Dihydroasparagusic acid	7634-96-0
Aspergillus (culture MFA 212)	Radical scavenger	Golmaenone	
Aspergillus (culture MFA 212)	UV protectant	Golmaenone	
Aspergillus aculeatus	Antifungi	Aculeacin A	58814-86-1
Aspergillus aculeatus	Yeasts inhibitor	Aculeacin A	58814-86-1
Aspergillus aculeatus	Antibiotic	Aculeacin G	58814-92-9
Aspergillus aculeatus	Antibiotic	Aculeacin E	58814-90-7
Aspergillus aculeatus	Antibiotic	Aculeacin D	58814-89-4

Aspergillus aculeatus	Antibiotic	Aculeacin C	58814-88-3
Aspergillus aculeatus	Antibiotic	Aculeacin B	58814-87-2
Aspergillus aculeatus	Antifungal	Aculeacin Dg	69234-47-5
Aspergillus aculeatus	Antifungal	Aculeacin Da	69234-45-3
Aspergillus aculeatus	Antifungal	Aculeacin Ag	69234-46-4
Aspergillus aculeatus	Antifungal	Aculeacin Aa	69234-44-2
Aspergillus aculeatus CL38916	Squalene synthase inhibitor	Antibiotic CJ 15183	
Aspergillus aculeatus CL38916	Antifungal	Antibiotic CJ 15183	
Aspergillus albus	Tyrosinase Inhibitor	5-Hydroxy-2-(hydroxymethyl)-4H-pyran-4-one-1'-O- β -D-Glucopyranoside	149056-78-0
Aspergillus albus	Melanine formation inhibitor		149056-78-0
Aspergillus alliaceus	Cholecystokinin antagonist (7 times more potent than Asperlicin)	Asperlicin B	93413-08-2
Aspergillus alliaceus	Nonpeptide	Asperlicin	93413-04-8
Aspergillus alliaceus	Cholecystokinin antagonist	Asperlicin	93413-04-8
Aspergillus alliaceus	Used for treatment of gastrointestinal	Asperlicin	93413-04-8
Aspergillus alliaceus	Used for treatment of CNS disorders	Asperlicin	93413-04-8
Aspergillus alliaceus ATCC 20655	Cholecystokinin antagonist	Asperlicin C (S)	93413-06-0
Aspergillus alliaceus ATCC 20655	Cholecystokynin antagonist	Asperlicin D (S)	93413-07-1
Aspergillus alliaceus ATCC20655	Cholecystokinin antagonist	Asperlicin E	93413-05-9
Aspergillus amstelodami, Aspergillus repens, Aspergillus ruber	Potent antioxidative	Neoechinulin A	51551-29-2
Arenaria juncea roots	Insecticide	Arenarin A	160701-43-9
Aspergillus arenarius	Feeding inhibitor	Arenarin A	160701-43-9
Aspergillus avenaceus	Antifungal	Isoavenaciolide	33644-09-6
Aspergillus avenaceus, Aspergillus fischeri var. glaber	Antifungal	Avenaciolide (–)-form	20223-76-1
Aspergillus caespitosus	Candida albicans inhibitor	Acetylphomalactone	23791-20-0
Aspergillus caespitosus	Antibacterial	Deepoxyasperlin	23791-20-0
Aspergillus caespitosus	Antifungi	Acetylphomalactone	23791-20-0
Aspergillus caespitosus	Trichomonad inhibitor	Deepoxyasperlin	23791-20-0
Aspergillus caespitosus	Fungitoxic	6-Methoxymellein	13410-15-6
Aspergillus variegatus, Sporormia bipartis	Enzyme inhibitor	Antibiotic LL-N313a	13410-15-6
Sporormia affinis, Ceratocystis fimbriata	Antimicrobial broadly	6-Methoxymellein	13410-15-6
Coniothyrium sp., Scytalidium spp.	Melanin biosynthesis inhibitor	Antibiotic LL-N313a	13410-15-6
Aspergillus candidus	Potent anti-acid-fast bacteria	Candidulin	1403-24-3
Aspergillus candidus	Cytotoxic	Xanthoascin	61391-08-0
Aspergillus candidus	Cytotoxic	3,3"-Dihydroxyterphenyllin	96426-12-9
Aspergillus candidus	Immunosuppressant	3-O-Methylterprenin	
Aspergillus candidus	Immunosuppressant	Terprenin	
Aspergillus candidus	Immunosuppressant	4"-Deoxyterprenin	

<i>Aspergillus candidus</i>	Cytotoxic selectively	4"-Deoxyterprenin	
<i>Aspergillus candidus</i>	Antimetabolite effect	4"-Deoxyterprenin	
<i>Aspergillus candidus</i>, <i>Acanthostigmella</i> sp.	Antifungal	Chlorflavonin	23363-64-6
<i>Aspergillus candidus</i> IF10	Cytotoxic	4"-Deoxyisoterprenin	959124-89-1
<i>Aspergillus candidus</i> IF10	Cytotoxic	4"-Deoxyprenylterphenyllin	959124-87-9
<i>Aspergillus candidus</i> IF10	Cytotoxic	Prenylterphenyllin	959124-85-7
<i>Aspergillus candidus</i> , <i>Aspergillus terreus</i> , <i>Aspergillus coradidus</i> . treatment of Asterriquinone	Inhibits binding of proteins to the EGF receptor tyrosine kinase	Isoasterriquinone	78860-47-6
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin D	177912-43-5
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin C	177912-42-4
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin B	177912-41-3
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin G	177912-46-8
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin H	177912-47-9
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin F	177912-45-7
<i>Aspergillus carbonarius</i>	Insecticidal	Carbonarin A	177912-40-2
<i>Aspergillus carbonarius</i>	Cytotoxic	Carbonarone B	937182-86-0
<i>Aspergillus carbonarius</i> , <i>Pestalotiopsis theae</i>	Cytotoxic	Carbonarone A	937182-85-9
<i>Aspergillus chevalieri</i>	intermediate in Echinulin biosynthesis	Cyclo(alanyltryptophyl)	17079-37-7
<i>Aspergillus chevalieri</i>	Antiviral	Antibiotic LL S491g	39022-38-3
<i>Sphaeropsis sapinea</i>	Antiprotozoal	Sphaeropsidin B	39022-38-3
<i>Sphaeropsis sapinea</i>	Phytotoxin	Pinowiltin	39022-38-3
<i>Aspergillus chevalieri</i>	Antimicrobial	Antibiotic LL S491b	38991-80-9
<i>Aspergillus chevalieri</i>	Antiprotozoal	Sphaeropsidin A	38991-80-9
<i>Sphaeropsis sapinea</i>	Phytotoxin	Sphaeropsidin A	38991-80-9
<i>Aspergillus clavatus</i>	Antifungal	Funginone	
<i>Aspergillus clavatus</i>	Mycotoxin	Glyantrypine	142382-42-1
<i>Aspergillus clavatus</i>	Ribosome-inactivating	Clavin	180256-67-1
<i>Aspergillus clavatus</i>	Tremorgenic toxin	Tryptoquivaline	55387-45-6
<i>Aspergillus clavatus</i>	Tremorgenic toxin	Nortryptoquivalone	55387-46-7
<i>Aspergillus clavatus</i> , <i>Aspergillus fumigatus</i>	Tremorgenic toxin	Tryptoquivaline D Fumitremorgin D	60676-56-4
<i>Aspergillus clavatus</i>	Mycotoxin	Cytochalasin K	460085-82-9
<i>Mycotypha</i> sp.	Antibiotic	Cytochalasin K	460085-82-9
Marine-derived <i>Spicaria elegans</i>	Cytotoxic	Cytochalasin K	460085-82-9
<i>Aspergillus cristatus</i>	<i>Bacillus subtilis</i> inhibitor	Viocristine	74815-60-4
<i>Aspergillus duricaulis</i>	<i>Streptomyces</i> spp. Inhibitor	3-O-Methylcyclopolic acid	83440-07-7
<i>Aspergillus duricaulis</i>	<i>Bacillus</i> spp. Inhibitor	3-O-Methylcyclopolic acid	83440-07-7
<i>Aspergillus duricaulis</i>	Antifungal	Asperdurin	118446-32-5
<i>Aspergillus espii</i>	Antifungal	Antibiotic Mer-WF 5027IIB	149792-51-8
<i>Aspergillus espii</i>	Antifungal	Antibiotic Mer-WF 5027IIA	149792-50-7

Aspergillus F1656	Antineoplastic	Antibiotic 1656G	132553-93-6
Aspergillus F1656	Antifungal	Antibiotic 1656G	132553-93-6
Aspergillus fischeri var. brasiliensis	Antitumor drug resistance reversing	5-N-Acetylardeemin	148441-26-3
Aspergillus fischeri var. brasiliensis	MDR modulator	5-N-Acetylardeemin	148441-26-3
Aspergillus fischeri var. brasiliensis	Mycotoxin	5-N-Acetylardeemin	148441-26-3
Aspergillus fischeri var. brasiliensis	Antitumor drug resistance reversing	5-N-Acetyl-15 β -hydroxyardeemin	148717-81-1
Aspergillus fischeri var. brasiliensis	Antitumor drug resistance reversing	Ardeemin	148441-25-2
Aspergillus fischeri var. brasiliensis	Mycotoxin	5-N-Acetyl-15 β -hydroxyardeemin	148717-81-1
Aspergillus fischeri var. brasiliensis	Mycotoxin	Ardeemin	148441-25-2
Aspergillus fischeri var. brasiliensis	Cytotoxicity enhancer	Ardeemin	148441-25-2
Aspergillus fischeri var. thermomutans	Antiparasitic	Antibiotic CJ 12663	169062-90-2
Aspergillus fischeri var. thermomutans	Antiparasitic	Antibiotic CJ 12662	169062-89-9
Aspergillus flavipes	Neurokinin antagonist	Antibiotic WIN 68577	151928-33-5
Aspergillus flavipes	Neurokinin antagonist	Antibiotic WIN 67689	151928-34-6
Aspergillus flavipes	Neurokinin antagonist	Antibiotic WIN 66306	151928-32-4
Aspergillus flavipes	Substance P inhibitor	Spiroquinazoline	157075-58-6
Aspergillus flavipes, Aspergillus microcysticus	Cytotoxic selectively	Aspochalasin D	71968-02-0
Aspergillus flavus	Antifungal	Asperentin 6-methyl ether	35818-32-7
Aspergillus flavus	Antiprotozoal	Asperentin 6-methyl ether	35818-32-7
Aspergillus flavus	Insecticide	Monohydroxyisoaflavinine	
Aspergillus flavus	Tremorigenic	Monohydroxyisoaflavinine	
Aspergillus flavus	Mycotoxin	O-Methylsterigmatocystin	17878-69-2
Aspergillus flavus	Mycotoxin	Dihydro-O-methylsterigmatocystin	21793-91-9
Aspergillus flavus	Mycotoxin	Cyclo(<i>N</i> -methylphenylalanyltryptophyl)	132294-79-2
Aspergillus flavus	Mycotoxin	Aflatoxin M ₂	6885-57-0
Aspergillus flavus	Mycotoxin	Aflatoxin GM₂	
Aspergillus flavus	Mycotoxin	Aflatoxin GM₁	23532-00-5
Aspergillus flavus	Mycotoxin	Aflatoxin G _{2a}	20421-10-7
Aspergillus flavus	Mycotoxin	Aflatoxin G ₂	7241-98-7
Aspergillus flavus	Mycotoxin	Aflatoxin B _{2a}	17878-54-5
Aspergillus flavus	Mycotoxin	Aflatoxin B ₂	7220-81-7
Aspergillus flavus	Insecticidal	11,12-Didehydro-10,11-dihydro-20-hydroxyaflavinine	116865-10-2
Aspergillus flavus	Tremorgenic mycotoxin	20-Hydroxyaflavinine	116865-08-8
Aspergillus flavus	Tremorgenic mycotoxin	20,25-Dihydroxyaflavinine	76410-56-5
Aspergillus flavus	Antifeedant	20-Hydroxyaflavinine	116865-08-8
Aspergillus flavus	Insecticidal	20-Hydroxyaflavinine	116865-08-8
Aspergillus flavus	Antifeedant	20,25-Dihydroxyaflavinine	76410-56-5

Aspergillus flavus	Insecticidal	20,25-Dihydroxyafavinine	76410-56-5
Aspergillus flavus	Phytotoxic	Aspergillomarasmine B (–)-form	
Aspergillus oryzae	Antiinflammatory	Aspergillomarasmine B (–)-form	
Verticillium, Nectria spp.	Endothelin-converting enzyme (ECE) inhibitor	Aspergillomarasmine B (–)-form	
Aspergillus flavus, Aspergillus parasiticus	Mycotoxin	Aflatoxin G	1165-39-5
Aspergillus flavus, Aspergillus parasiticus	Antifeedant to insect	Aflavazole	133401-09-9
Aspergillus flavus, Aspergillus parasiticus	Toxin causing Turkey X disease. One of the most potent carcinogens known in animals	Aflatoxin B1 (–)-form	1162-65-8
Aspergillus flavus, Aspergillus parasiticus	Potential food contaminant especially grains, nuts	Aflatoxin B1 (–)-form	1162-65-8
Aspergillus flavus, Aspergillus sojae	Antibiotic	Aspergillic acid (S)	
Aspergillus flavus, Aspergillus sojae	Hypotensive	Aspergillic acid (S)	
Aspergillus flavus, Claviceps paspali	Tremorgenic mycotoxin	Aflatrem	70553-75-2
Aspergillus flavus var. columnaris FK1-0739	Cytotoxic	Miyakamide A ₁	
Aspergillus flavus var. columnaris	Inhibits Substance P binding	Ditryptophenaline	64947-43-9
Aspergillus flavus var. columnaris	Tachykinin antagonist	Ditryptophenaline	64947-43-9
Aspergillus subolivaceus	Mycotoxin	Aflatrem B	144446-23-1
Aspergillus flavus, Aspergillus spp.	Insecticidal	β-Aflatrem	144446-23-1
Aspergillus flavus, Aspergillus spp.	Mycotoxin	Asperflavin (+)	
Leucopaxillus tricolor, Microascus tardifaciens	Immunosuppressant	Asperflavin (+)	
Aspergillus flavus, Aspergillus sojae, Aspergillus oryzae	Antibiotic	Hydroxyaspergillic acid	4562-39-4
Eupenicillium crustaceum	Tremorgenic mycotoxin	Aflavinine	74328-59-9
Aspergillus flavus, Eupenicillium molle	Insecticidal	Aflavinine	74328-59-9
Eupenicillium parvum, Microascus tardifaciens	immunosuppressive	5,7-Dihydroxy-4-methylphthalide	27979-57-3
Milk of cows, Aflatoxin B1	Mycotoxin	Aflatoxin M ₁	6795-23-9
Aspergillus flavus, only in young cultures	Phytotoxic to cotton, tomato plants	Aspergillomarasmine A	3484-65-9
Aspergillus flavus, only in young cultures	Angiotensin-, endothelin-converting enzyme inhibitor	Toxin C	3484-65-9
Aspergillus spp., a marine-derived Microsporum sp.	Mycotoxin	Flavoglaucin	523-73-9
Aspergillus flavus, most mammal livers, not humans or birds	Used to treat hyperuricaemia	Urate oxidase	12/4/9002
Aspergillus fonsecaeus	Mycotoxin	Fonsecinone C	95152-77-5
Aspergillus fonsecaeus	Mycotoxin	Fonsecinone B	95152-76-4
Aspergillus fonsecaeus, Aspergillus carbonarius	Mycotoxin	Fonsecinone A	95152-75-3
Aspergillus fonsecaeus known as Aspergillus carbonarius,, Aspergillus niger var. niger	Mycotoxin	Fonsecin	3748-39-8

Aspergillus fonsecaeus, Aspergillus spp.	Mycotoxin	Aurasperone E	95272-15-4
Aspergillus niger, Guanomyces polythrix	Mycotoxin	Heminigerone	17276-15-2
Aspergillus fumigatus	Angiogenesis inhibitor	5-Demethoxyfumagillol	701277-78-3
Aspergillus fumigatus	Antifungal	Ruakuric acid	138763-25-4
Aspergillus fumigatus	Antifungal	Lysofungin	149056-39-3
Aspergillus fumigatus	Antifungal	Fumifungin	110231-33-9
Aspergillus fumigatus	Antifungal	Sphingofungin D	121025-47-6
Aspergillus fumigatus	Antifungal	Sphingofungin A	121025-44-3
Aspergillus fumigatus	Antifungal	Sphingofungin C	121025-46-5
Aspergillus fumigatus	Antifungal	Sphingofungin B	121025-45-4
		Asperfungin	
Aspergillus fumigatus	Antitumor	Antibiotic Sch 528647	
Aspergillus fumigatus	Cell cycle progression inhibitor	Tryprostatin B	179936-52-8
Aspergillus fumigatus	Microtubule polymerization inhibitor	Tryprostatin B	179936-52-8
Aspergillus fumigatus	Mycotoxin	Tryprostatin B	179936-52-8
Aspergillus fumigatus	Cell cycle progression Inhibitor, mycotoxin	Demethoxyfumitremorgin C	111768-16-2
Aspergillus fumigatus	Mycotoxin	Demethoxyfumitremorgin C	111768-16-2
Aspergillus fumigatus	Cytotoxic	Fumiquinazoline G	169869-87-8
Aspergillus fumigatus	Cytotoxic	Fumiquinazoline F	169626-35-1
Aspergillus fumigatus	Cytotoxic	Fumiquinazoline D	140715-86-2
Aspergillus fumigatus	Cytotoxic	Fumiquinazoline E	140715-87-3
Aspergillus fumigatus	DNA-RNA biosynthesis inhibitor	Antibiotic AZ-J 190	169313-15-9
Aspergillus fumigatus	Anti-gram-positive bacteria	Antibiotic AZ-J 190	169313-15-9
Aspergillus fumigatus	Inhibitor of ACAT	Pyripyropene F	165467-56-1
Aspergillus fumigatus	Inhibitor of ACAT	Antibiotic GERI-BP001 A	168959-29-3
Aspergillus fumigatus	Inhibits Plateletaggregation	Antibiotic A 52688b	91224-36-1
Aspergillus fumigatus	Acyl-CoA inhibitor	Pyripyropene E	156980-53-9
Aspergillus fumigatus	Cholesterol acyl transferase (ACAT) inhibitor	Antibiotic GERI-BP001 M	156980-53-9
Aspergillus fumigatus	Mammalian cell cycle inhibitor	Tryprostatin A	171864-80-5
Aspergillus fumigatus	Mycotoxin	Tryprostatin A	171864-80-5
Aspergillus fumigatus	Microtubule polymerization inhibitor	Tryprostatin A	171864-80-5
Aspergillus fumigatus	Mycotoxin	Tryptoquivaline G	61897-91-4
Aspergillus fumigatus	Mycotoxin	Fumigaclavine C	62867-47-4
Aspergillus fumigatus	Nematicidal	Fumiquinone B	1011259-29-2
Aspergillus fumigatus	Nematicidal	Fumiquinone A	
Aspergillus fumigatus	Toxin	Fumigatoxin	
Aspergillus fumigatus	Tremorgenic mycotoxin	12,13-Dihydroxyfumitremorgin C	111427-99-7
Aspergillus fumigatus	Tremorgenic mycotoxin	Epoxyfumitremorgin C	
Aspergillus fumigatus	Tremorgenic toxin	Tryptoquivaline E	61897-87-8
Aspergillus fumigatus	Tremorgenic toxin	Fumitremorgin F	61897-89-0

Aspergillus fumigatus	Tremorgenic toxin	Tryptoquivaline I	66180-23-2
Aspergillus fumigatus	Tremorgenic toxin	Fumitremorgin M	69575-59-3
Aspergillus fumigatus	Tremorigen	Tryptoquivaline H	61949-67-5
Aspergillus fumigatus	Tremorigen	Tryptoquivaline J	66212-51-9
Aspergillus fumigatus, Aspergillus clavatus	Tremorgenic toxin	Deoxynortryptoquivalone	60676-61-1
Aspergillus fumigatus, Aspergillus restrictus	Anti-aspergillus ribotoxin highly specific	Restrictocin	1406-72-0
Aspergillus fumigatus, Aspergillus tamarii	Mycotoxin	Fumigaclavine A	6879-59-0
Aspergillus fumigatus, Eupenicillium reticulosporum	Potent inhibitors of cholesterol acyltransferase	Trideacetylpyripyropene A	
Parent substance of a group of closely related Pyripyropenes.	Potent inhibitors of acylcoenzyme A	Trideacetylpyripyropene A	
Aspergillus fumigatus, Neosartorya fischeri	Tremorgenic mycotoxin	Fumitremorgin C	118974-02-0
Aspergillus fumigatus, Neosartorya fischeri	Reverses of multidrug resistance	Fumitremorgin C	118974-02-0
Aspergillus fumigatus, Rhizopus arrhizus	Mycotoxin	Fumigaclavine B (-)-form	6879-93-2
Aspergillus fumigatus	Mammalian cell cycle inhibitor	Spirotryprostatin B	182234-26-0
Aspergillus fumigatus	Mammalian cell cycle inhibitor	Cyclotryprostatin D	184305-68-8
Aspergillus fumigatus	Mammalian cell cycle inhibitor	Cyclotryprostatin C	111427-97-5
Aspergillus fumigatus	Microtubule polymerisation inhibitor	Cyclotryprostatin C	111427-97-5
Aspergillus fumigatus	Mammalian cell cycle inhibitor	Cyclotryprostatin B	184305-67-7
Aspergillus fumigatus	Mammalian cell cycle inhibitor	Cyclotryprostatin A	111468-06-5
Aspergillus fumigatus	Microtubule polymerisation inhibitor	Cyclotryprostatin B	184305-67-7
Aspergillus fumigatus	Microtubule polymerisation inhibitor	Cyclotryprostatin A	111468-06-5
Marine-derived Aspergillus sydowi	Mammalian cell cycle inhibitor	Spirotryprostatin A	182234-25-9
Aspergillus fumigatus CMI45338	Antifungal	Trypacidin	1900-29-4
Aspergillus fumigatus CMI45338	Aantibiotic	Trypacidin	1900-29-4
Aspergillus fumigatus CY018	Antifungal	Asperfumoid	848073-02-9
Aspergillus fumigatus CY018	Antifungal	Asperfumin	848073-03-0
Aspergillus fumigatus fresenius	Antitumor	Antibiotic FD 839	135862-94-1
Aspergillus fumigatus gastrointestinal tract of fish Pseudolabrus japonicus	Cytotoxic	Fumiquinazoline C	140924-01-2
Aspergillus fumigatus gastrointestinal tract of fish Pseudolabrus japonicus	Cytotoxic	Fumiquinazoline A	140715-85-1
Aspergillus fumigatus	Antibiotic	Fumagillin	23110-15-8
Penicillium nigricans	Antiphage	Fumagillin	23110-15-8
Aspergillus fumigatus	Amoebicidal	Fumagillin	23110-15-8
Penicillium nigricans	RNA synthesis inhibitor of Octosporea muscae-domesticae	Fumagillin	23110-15-8
Aspergillus fumigatus	Use for the treatment of drug-resistant intestinal amoebiasis	Fumagillin	23110-15-8
Penicillium nigricans	Angiogenesis inhibitor	Fumagillin	23110-15-8
Aspergillus fumigatus	Antifungal	Methyl 2,4-dihydroxy-m-tolyl	10139-84-1

		ketone	
Streptomyces nigrescens	Antifungal	Phoslactomycin; Phoslactomycin E	122856-29-5
Aspergillus fumigatus in Pseudolabrus japonicus	Cytotoxic	Fumiquinazoline B	140852-71-7
Aspergillus fumigatus marine fish	Cytotoxic	Cephalimysin A	952305-75-8
Aspergillus fumigatus mutant helvola	Phytotoxic	Fumigacin	29400-42-8
Sarocladium oryzae	Anti-a wide range of organisms	Fumigacin	29400-42-8
Sarocladium oryzae	Inhibitor of Staphylococcus sp.	Fumigacin	29400-42-8
Aspergillus fumigatus SANK 10588	Antifungal	Synerazol	127941-81-5
Aspergillus fumigatus var. fumigatus	Angiogenesis inhibitor	Antibiotic RK 95113	
Aspergillus fumigatus, Paecilomyces varioti	Plant growth regulator	2,3-Oxiranedicarboxylic acid	17015-08-6
Monilia formosa, Penicillium vineferum	Papain inhibitor	2,3-Oxiranedicarboxylic acid	17015-08-6
Aspergillus fumisynnematus F746	Antibacterial	Fumimycin	942472-95-9
Aspergillus fumisynnematus F746	Inhibitor of peptide deformylase	Fumimycin	942472-95-9
Aspergillus funiculosus	Gram-positive bacteria inhibitor	Funicin	74605-28-0
Aspergillus giganteus	Antifungal	Aspergillus giganteus Antifungal peptide	
Aspergillus giganteus	Antifungal	Nifungin	11056-16-9
Aspergillus glaucus	Mycotoxin	Kotanin	27909-08-6
Aspergillus clavatus	Antibacterial	Kotanin	27909-08-6
Aspergillus glaucus strain HB1-119	Cytotoxic	Aspergiolide A	915160-58-6
Aspergillus sp., Malachra fasciata, Pteris multifida, Acanthophora spicifera, Euphorbia fischeriana	Cathepsin selective inhibitor	Asperglaucide	56121-42-7
Euphorbia fischeriana, Malachra fasciata	Antiallergic	Anomalamide	56121-42-7
Cystoseira corniculata, Sargassum carpophyllum	Antimicrobial specifically	Saropeptate	56121-42-7
Aspergillus janus	Antiplasmodial	Janoxepin	
Aspergillus japonicus	Thiol proteinase inhibitor	Rexostatine	66701-25-5
Aspergillus japonicus	Sensitizer to Antineoplastic chemotherapy	Rexostatine	66701-25-5
Aspergillus japonicus Fg-551	Mycotoxin	Neoxaline	71812-10-7
Aspergillus karnatakaensis	Antiplasmodial moderately	Karnatakafuran B	
Aspergillus leporis	Insecticide	Leporine A	140381-54-0
Aspergillus melleus, Aspergillus spp.	Mycotoxin	Ochratoxin A	303-47-9
Penicillium ostianus, Penicillium spp.	Protein biosynthesis inhibitor	Ochratoxin A	303-47-9
Penicillium viridicatum	Insecticidal	Ochratoxin A	303-47-9
Aspergillus spp., Aspergillus elegans	Weak broad-spectrum Antibiotic	Aspyrone	17398-00-4
Marine-derived Exophiala sp.	bactericidal	Asperlactone	76375-62-7
Aspergillus melleus, Exophiala sp.	fungicidal	Asperlactone	76375-62-7
Aspergillus microcysticus	Antibiotic	Aspochalasin A	72363-48-5
		Asposterol	
Aspergillus multicolor	Mycotoxin	10,11-	65176-75-2

		Dimethoxysterigmatocystin	
Aspergillus multicolor	Mycotoxin	Asticolorin C	93395-44-9
Aspergillus multicolor	Mycotoxin	Asticolorin B	93376-71-7
Aspergillus multicolor	Mycotoxin	Asticolorin A	93376-70-6
Aspergillus nidulans	Gram-negative, -positive bacteria inhibitor	6,7,9-Trihydroxy-3-methylcyclohepta[c]pyran-8(1H)-one	87492-67-9
Aspergillus nidulans	Sporogenic	Tetrahydro-6-(3-hydroxy-4-tridecenyl)-2H-pyran-2-one	129927-00-0
Aspergillus nidulans, Aspergillus deflectus	Gram-negative, -positive bacteria inhibitor	Desferitriacetylfulvicin	20186-12-3
Aspergillus nidulans, Aspergillus ustus	Anti-mycobacteria	Deschloronornidulin	
Aspergillus nidulans	Allelopathic	Laetisarinic acid	138231-04-6
Laetisaria arvalis	Sporogenic	Sporogenic Psi Factor Ba	138231-04-6
Aspergillus nidulans	Hypocholesterolemic	4,4 α -Dihydromonacolin L	86827-77-2
Monascus ruber	CoA reductase inhibitor	Monacolin N	86827-77-2
Aspergillus nidulans	Plant growth regulator	Benzylphenylmaleic anhydride	65641-17-0
Aspergillus nidulans	Antibacterial	4-Acetoxy-6,7-epoxy-2-octen-5-olide	30387-51-0
Aspergillus nidulans	Antifungal	Asperlin	30387-51-0
Aspergillus nidulans	Antiprotozoal	Asperlin	30387-51-0
Aspergillus nidulans	Antineoplastic	Asperlin	30387-51-0
Aspergillus nidulans var. echinulatus	Antifungal	Echinocandin A	
Aspergillus nidulans var. roseus	Antifungal	Antibiotic A 30912; Antibiotic A 30912D	71018-13-8
Aspergillus nidulans	Antibiotic	Nidulin	10089-10-8
Aspergillus ustus,	Anti-bacteriophages	Nidulin	10089-10-8
Emericella unguis	Human parasitic fungi inhibitor	Nidulin	10089-10-8
Aspergillus niger	Antibiotic	Jawaharene	12772-10-0
Aspergillus niger	Antitumor	Jawaharene	12772-10-0
Aspergillus niger	Antifungal	Antafumicin B	151271-55-5
Aspergillus niger	Antifungal	Antafumicin A	151271-54-4
Aspergillus niger	Antioxidant	4',5,7,8-Tetrahydroxyisoflavone	13539-27-0
Aspergillus niger	tyrosinase (mushroom) inhibitor	4',5,7,8-Tetrahydroxyisoflavone	13539-27-0
Aspergillus niger	Antiparasitic	Antibiotic FT 0554	224427-79-6
Aspergillus niger	Antitumor	Malformin A ₃	59926-78-2
Aspergillus niger	Inhibitor of CD45 tyrosine phosphatase	2-Hydroxy-3-methylenecyclopropanone (-)	
Aspergillus niger	Inhibits plant root growth	Nigerazine A	92008-50-9
Aspergillus niger	Plant growth inhibitor	Orlandin	69975-77-5
Aspergillus niger, a marine-derived Aspergillus carbonarius	Mycotoxin	6-O-Demethylnigerone	76045-68-6
Aspergillus niger, Aspergillus carbonarius	Mycotoxin	Isonigerone	

Aspergillus niger	Mycotoxin	Nigerone	76069-41-5
Marine-derived Aspergillus carbonarius	Antibacterial	Nigerone	76069-41-5
Aspergillus niger, Alternaria brassicae	Plant growth inhibitor	Nigerazine B	85982-75-8
Aspergillus niger, Aspergillus awamori	Mycotoxin	Aurasperone C	41689-66-1
Aspergillus niger, Aspergillus fonsecaus	Mycotoxin	Aurasperone D	67924-64-5
Aspergillus niger, Rhodotorula graminis	Catalyses the reaction of benzoate	Benzoate 4-hydroxylase	39391-25-8
Aspergillus niger, Trichosporon cutaneum	Catalyses the reaction of anthranilate	E.C. 1.14.13.35	37256-68-1
Aspergillus niger CFR-1046	Aldose reductase inhibitor	Asperaldin	
Aspergillus niger CFR-W-105	Aldose reductase inhibitor	Nigerloxin	
Aspergillus niger CFR-W-105	Lipoxygenase inhibitor	Nigerloxin	
Aspergillus niger CFR-W-105	Antioxidant	Nigerloxin	
Aspergillus niger F-172	Antifungal	Athlestatin	11011-39-5
Aspergillus niger F-172	Aantibiotic	Athlestatin	11011-39-5
Aspergillus niger FKI-2342	Miconazole Antifungal potentiator	Tensidol B	
Aspergillus niger FKI-2342	Miconazole Antifungal potentiator	Tensidol A	
Aspergillus niger FT-0554	NADH-fumarate inhibitor specifically	Nafuredin	
Aspergillus niger FT-0554	Anthelmintic	Nafuredin	
Aspergillus niger IFB-E003	Cytotoxic	Aspernigerin	
Aspergillus niger infected mango fruits	Mycotoxin	Isoaurasperone A	71695-22-2
Aspergillus niger sp. FO-5904	Collagenase inhibitor	Funalenone	
Aspergillus niger sponge Axinella damicornis	Cytotoxic moderately	Bicoumanigrin	
Aspergillus niger sponge Axinella damicornis	Neuroprotective	Aspernigrin B	773855-63-3
Aspergillus niger var. niger, Comantheria briareus	Inhibitor of IL-4 signal transduction	6-O-Methylnorrubrofusarin	3773-18-0
Aspergillus niger var. niger	Inhibitor of IL-4 signal transduction	8-O-Demethylasperxanthone	
Aspergillus niger, Aspergillus spp.	Mycotoxin	Aurasperone B	41689-67-2
Aspergillus niger infected mango fruits, peanuts	Mycotoxin	Asperxanthone	3566-99-2
Aspergillus niger, Aspergillus awamori, Phellinus pini	Mycotoxin	Asperenone; (<i>all-E</i>)-form	16964-44-6
Aspergillus niger, Aspergillus spp.	Mycotoxin	Aurasperone A	15085-74-2
Aspergillus fonsecaeus	Insecticidal	Aurasperone A	15085-74-2
Aspergillus niger, microorganisms. banana, asparagus	Inhibits pyruvate transport in rat liver mitochondria	3-Methyl-2-oxobutanoic acid	759-05-7
Aspergillus niger. mould damaged rice	Causes deformities in bean seedlings	Malformin	53571-13-4
Aspergillus niger. mould damaged rice	Antibacterial	Malformin	53571-13-4
Aspergillus niger. mould damaged rice	Toxin	Malformin	53571-13-4
Aspergillus niger	Digestant adjunct enzyme	Cellulase	9012-54-8
Aspergillus niveus	HIV infection inhibitor	Nivefuranone C	162679-33-6
Aspergillus niveus	HIV infection inhibitor	Nivefuranone B	162679-32-5
Aspergillus niveus	HIV infection inhibitor	Nivefuranone A	162559-33-3

Aspergillus niveus	Anti-AIDS	Nivefuranone C	162679-33-6
Aspergillus niveus	Anti-AIDS	Nivefuranone B	162679-32-5
Aspergillus niveus	Anti-AIDS	Nivefuranone A	162559-33-3
Aspergillus nomius	Tremorgenic mycotoxin	14-(<i>N,N</i> -Dimethyl-L-valyloxy)paspalinine	151341-78-5
Aspergillus nomius	Insecticidal	14-(<i>N,N</i> -Dimethyl-L-valyloxy)paspalinine	151341-78-5
Aspergillus nomius	Tremorgenic mycotoxin	14-Hydroxypaspalinine	151341-77-4
Aspergillus nomius	Insecticidal	14-Hydroxypaspalinine	151341-77-4
Aspergillus nomius	Cytotoxic	Aspernomine	138605-80-8
Aspergillus nomius	Insecticidal	Aspernomine	138605-80-8
Aspergillus nomius	Mycotoxin	Aspernomine	138605-80-8
Aspergillus flavus, Petromyces alliaceus	Insecticidal	Nominine	120991-21-1
Aspergillus ochraceus	Antiviral	6 MFA	
Aspergillus ochraceus	Anti-insectan moderately	Ochrindole D	157414-86-3
Aspergillus ochraceus	Anti-insectan moderately	Ochrindole B	157414-84-1
Aspergillus ochraceus	Anti-insectan moderately	Ochrindole A	157414-83-0
Aspergillus ochraceus, Penicillium viridicatum	Mycotoxin	4-Hydroxyochratoxin A	35299-87-7
Aspergillus ochraceus NRRL 3174	Mycotoxin	Ochratoxin B	4825-86-9
Aspergillus ochraceus NRRL 3519	insect Antifeedant	<i>N</i> -Methylepiamauromine	143086-28-6
Aspergillus ochraceus NRRL 3519	insect Antifeedant	Epiauaumine	143168-22-3
Aspergillus ochraceus NRRL 3519	Insecticide	<i>N</i> -Methylepiamauromine	143086-28-6
Aspergillus ochraceus NRRL 3519	Insecticide	Epiauaumine	143168-22-3
Aspergillus ochraceus WC 76466	Cytotoxic	Stephacidin A	360765-74-8
Aspergillus ochraceus WC76466	Cytotoxic	Stephacidin B	360765-75-9
Drechslera siccans, Rhynchosporium orthosporum	Phytotoxin	De-O-methyladiaphorin	118063-79-9
Aspergillus oryzae	Antibiotic	Mutaaspergillic acid	15272-17-0
Aspergillus oryzae	Antibiotic	Oryzasizine	
Aspergillus oryzae	Anti-gram-positive bacteria	Oryzacin	
Aspergillus oryzae	Antimicrobial	Asperatin	168678-66-8
Aspergillus oryzae	Antimicrobial	Antibiotic A 3024	188012-71-7
Aspergillus oryzae	Cysteine protease inhibitors	Aspergillus oryzae Cysteine protease inhibitors	
Aspergillus oryzae	Dipeptidyl peptidase IV inhibitor	Antibiotic TMC 2B	196212-08-5
Aspergillus oryzae	Dipeptidyl peptidase IV inhibitor	Antibiotic TMC 2C	
Aspergillus oryzae	Dipeptidyl peptidase IV inhibitor	Antibiotic TMC 2A	195976-77-3
Aspergillus oryzae	Histidine decarboxylase inhibitor	Shoyuflavone A	190712-87-9
Aspergillus oryzae, Pseudonocardia spinosa	Inhibits melanin formation	Kojic acid dimer	153976-68-2
Aspergillus oryzae G	Antimicrobial		
Patella vulgata, Claviceps purpurea, Phoradendron rubrum, Abroma augusta	Role in cytoplasmic osmoregulation	Betaine	107-43-7

Fungi, higher plants, animals	Causes myoatrophy in combination with Guanidinoacetic acid	Betaine	107-43-7
Aspergillus oryzae	Antiinflammatory	α -Amylase	9000-90-2
Microorganisms.	Digestion Enzyme	α -Amylase	9000-90-2
Plants, animals	Digestive aid	α -Amylase	9000-90-2
Aspergillus ostianus	Cytotoxic	Aspergillide B	1004769-36-1
Aspergillus ostianus	Antibacterial	9-Chloro-8-hydroxy-8,9-deoxyaspyrone	
Aspergillus ostianus	Antibacterial	9-Chloro-8-hydroxy-8,9-deoxyasperlactone	
Aspergillus ostianus	Antibacterial	8-Chloro-9-hydroxy-8,9-deoxyasperlactone	
Aspergillus panamensis	Gram-negative, -positive bacteria inhibitor	Antibiotic 704II	75916-46-0
Aspergillus parasiticus	Antibacterial	Aspersitin	86996-89-6
Aspergillus parasiticus	Antitumor	Sequoiatone B	
Aspergillus parasiticus	Antitumor	Sequoiatone A	
Aspergillus parasiticus	Mycotoxin	Dihydrohydroxy-O-methylsterigmatocystin	30099-66-2
Aspergillus parasiticus Sequoia sempervirens	Cytotoxic	Sequoiamonascin A	561305-67-7
Aspergillus parasiticus, Bipolaris sorokiniana	Mycotoxin	Versiconol	22268-13-9
Aspergillus parvulus	Serotonin antagonist	O-Methylasparvenone	
Aspergillus parvulus	Serotonin antagonist	Asparvenone (S)	
Nocardiopsis sp., Pinellia pedatisecta, Panax notoginseng, Psammosilene tunicoides	virustatic	Cyclo(alanylleucyl) (3S,6S)	24676-83-3
Aspergillus spp., Aspergillus niger	Insecticide	Nigragilline	24779-38-2
Sargassum fusiforme, Xestospongia exigua	Cytotoxic	Aspergione B	
Cordyceps sp., Emericella falconensis, Emericella rugulosa, Hypocrea citrina americana	Antibacterial	Diorcinol	20282-75-1
Aspergillus restrictus	Antineoplastic	Mitogillin	1403-99-2
Aspergillus restrictus	Potent inhibitor of protein synthesis in vivo	Mitogillin	1403-99-2
Aspergillus restrictus	A ribonuclease	Mitogillin	1403-99-2
Aspergillus restrictus	Antitumor	Regulin	
Aspergillus ruber	Mycotoxin	Isoechinulin B	60422-88-0
Aspergillus ruber	Mycotoxin	Isoechinulin A	60422-87-9
Aspergillus rugulosus	Anti-phytopathogenic fungi	Aspertetronin A (R)	21494-09-7
Aspergillus rugulosus	Antifungal	Antibiotic X 73	
Aspergillus rugulosus	Potent Antifungal	Antibiotic SL 7810FII	
Aspergillus rugulosus	Yeasts inhibitor	Antibiotic SL 7810FII	
Aspergillus saitoi on citrus fruits	Antioxidant	8-Hydroxyhesperetin	
Aspergillus sclerotiorum, Aspergillus flavus	Antibiotic	Neohydroxyaspergillic acid	72598-34-6

Aspergillus sclerotiorum, Aspergillus flavus	Antiphage	Neohydroxyaspergillic acid	72598-34-6
Aspergillus sclerotiorum NRRL 5167	Potent antiinsectan	Sclerotiamide (–)	184025-39-6
Aspergillus sclerotiorum, Aspergillus spp.	Aantibiotic	Neoaspergillic acid	2152-59-2
Aspergillus silvaticus	Mycotoxin	Silvaticamide	73606-98-1
Aspergillus silvaticus. Alternaria cichorii	Phytotoxin	Cichorine	114090-43-6
Aspergillus sp.	Antifungal	Asperginone	39973-29-0
Aspergillus sp.	Mycotoxin	Asperginone	39973-29-0
Aspergillus sp.	Antitumor	Hydroxyversicolorin B	
Aspergillus sp.	Antitumor	Antibiotic UCT 1072M3	
Aspergillus sp.	Antitumor	Antibiotic UCT 1072M2	
Aspergillus sp.	Cathepsin L inhibitor	Antibiotic 460B	207442-33-9
Aspergillus sp.	Cytotoxic	Aspergillamide A	217489-31-1
Aspergillus sp.	Galanin receptor inhibitor	Antibiotic Sch 202596	196615-89-1
Aspergillus sp.	Inhibitor of high-affinity IgE receptor	Aspercyclide A	
Aspergillus sp.	Intermediate in biosynthesis of penicillic acid	2-Methoxy-6-methyl-1,4-benzoquinone	611-68-7
Aspergillus sp.	Nematicidal	11,12-Dehydrocurvularin	
Aspergillus sp.	Neurotrophic	Aspermytin A	
Aspergillus sp.	Ubiquitin-activating enzyme inhibitor	Himeic acid A	838847-67-9
Aspergillus sp.	Antifungal	Antibiotic Sch 725674	
Aspergillus sp.	Neurokinin antagonist	Antibiotic Q 20547C	150881-28-0
Aspergillus sp.	Cytotoxic	Avrainvillamide	269741-97-1
Aspergillus ochraceus	Antibacterial	Antibiotic CJ 17665	269741-97-1
Aspergillus sp.	Antifungal	5-(3,5-Nonadienyl)-1,3-benzenediol (Z,Z)	
Aspergillus sp.	Antibacterial	5-(3,5-Nonadienyl)-1,3-benzenediol (Z,Z)	
Aspergillus sp.	Angiogenesis inhibitor	Antibiotic ICM 0301A	
Aspergillus sp.	Cathepsin β inhibitor	Antibiotic 1656C	125850-33-1
Aspergillus sp.	Cytotoxic	Antibiotic 1656C	125850-33-1
Aspergillus sp., Aspergillus flavipes	β -glucosidase inhibitor specifically	Cyclo(prolylvalyl) (3S,8aR)	156617-55-9
Aspergillus sp.	Inhibitor of cancer cell migration	Moverastin A	876173-41-0
Aspergillus sp., Bipolaris cynodontis	Phytotoxin	Cochlioquinone D	
Aspergillus sp.	Collagenase inhibitor	Antibiotic TAN 1711	167290-45-1
Aspergillus sp.	Tyrosine kinase inhibitor	Antibiotic TAN 1711	167290-45-1
Aspergillus sp.	Cellular growth inhibitor	Antibiotic TAN 1711	167290-45-1
Aspergillus sp.	Inhibits lipid droplet formation	Aspochalasin F	200631-32-9
Aspergillus sp.	Inhibits lipid droplet formation	Aspochalasin G	
Aspergillus sp.	Anthelmintic	Antibiotic SB 200437	142449-76-1
Aspergillus sp.	Anthelmintic	Antibiotic SB 203105	199723-64-3
Aspergillus sp.	Anthelmintic	16-Ketoaspergillimide	199784-50-4
Aspergillus sp.	Anthelmintic	Asperparaline A	195966-93-9

Aspergillus japonicus	Paralytic against Bombyx mori	Aspergillimide	195966-93-9
Aspergillus sp.	Cytotoxic	Antibiotic NF 00659A ₃	189506-73-8
Aspergillus sp.	Cytotoxic	Antibiotic NF 00659A ₂	169107-92-0
Aspergillus sp.	Cytotoxic	Antibiotic NF 00659A ₁	169107-90-8
Aspergillus sp.	Cytotoxic	Antibiotic NF 00659B ₂	169107-91-9
Aspergillus sp.	Cytotoxic	Antibiotic NF 00659B ₁	169107-89-5
Aspergillus sp.	Endothelin type β receptor antagonist	Antibiotic RES 1149-1	
Aspergillus sp.	Calcium level suppressant	Antibiotic RES 1149-1	
Aspergillus sp.	Hypotensive	Antibiotic RES 1149-1	
Aspergillus sp.	Antiasthmatic	Antibiotic RES 1149-1	
Aspergillus sp.	substance P Competitive antagonist at the human NK1 receptor	Antibiotic WIN 64821	150881-27-9
Aspergillus sp.	Antifungal	Antibiotic Sch 725680	
Aspergillus sp.	Inhibitor of VEGF-induced endothelial cell growth	Antibiotic AGI-B4	359828-18-5
Aspergillus spp.	Antifungal	Antibiotic Mer-NF 8054A	157414-00-1
Aspergillus spp.	Antifungal	Sydonol	77782-90-2
Aspergillus spp.	Aantibiotic	Sydonol	77782-90-2
Aspergillus spp., Emericella heterothallica	Antifungal	Mer-NF 8054X	157414-01-2
Aspergillus spp., Bauhinia spp., Albizzia spp.	Antiulcer	Oxalacetic acid	328-42-7
Phycomyces blakesleeanus, intermediate in citric acid photochemical cycle	Enzyme inhibitor	Oxobutanedioic acid	328-42-7
Aspergillus spp., Chaetomium spp.	Intermediate in biosynthesis of the aflatoxins	Averufin	14016-29-6
Emericella navahoensis, Cercospora smilacis	Enzyme inhibitor	Averufin	14016-29-6
Dothistroma pini. unidentified marine fungus	Respiration inhibitor	Averufin	14016-29-6
Aspergillus spp., fungi	Antifungal		480-33-1
Camponotus spp., Grapholita molesta, Idea leuconoe	Inhibits Hepatitis C virus protease	3,4-Dihydro-8-hydroxy-3-methyl-1H-2-benzopyran-1-one (R)	480-33-1
Aspergillus spp., Gibberella fujikuroi, Helminthosporium maydis, Pyricularia grisea. marine-derived fungi Epicoccum sp., Wardomyces anomalus. human urine	Antitumor somewhat	Sumiki's acid	6338-41-6
Aspergillus stellatus	Mycotoxin	Asteltoxin	79663-49-3
Emericella varicolor	Basal forebrain (BF) inhibitor	Asteltoxin	79663-49-3
Aspergillus stellatus	ATP-ase inhibitor	Asteltoxin	79663-49-3
Emericella varicolor	Antibacterial against E. coli weakly	Asteltoxin	79663-49-3
Aspergillus sulphureus	antiinsect	Sulpinine C	139975-53-4
Aspergillus sulphureus	antiinsect	Sulpinine B	139975-52-3
Aspergillus sulphureus	antiinsect	Secopenitrem B	139975-54-5

Aspergillus sulphureus	antiinsectan	Radarin B	138629-07-9
Aspergillus sulphureus	Cytotoxic	Radarin B	138629-07-9
Aspergillus sulphureus, Penicillium sp. IB 13163	Tremorgenic	Penitremone A	151434-31-0
Aspergillus sulphureus, Aspergillus spp.	Gram-positive bacteria inhibitor	Viomellein	55625-78-0
Penicillium spp., Nannizzia cajetani	Insecticidal	Viomellein	55625-78-0
Aspergillus sydowi	Antifungal	Deoxymulundocandin	138626-63-8
Aspergillus sydowi, Aspergillus sp. KY52178	Mycotoxin	Sydowinin B	58450-00-3
Aspergillus sydowi var. mulundensis	Filamentous fungi inhibitor	Mulundocandin	108351-20-8
Aspergillus sydowi var. mulundensis	Yeasts inhibitor	Mulundocandin	108351-20-8
Aspergillus tamarii, Aspergillus oryzae	Antifungal	Aspirochlorine	59978-04-0
Aspergillus tamarii, Aspergillus oryzae	Anti-phytopathogenic fungi	Aspirochlorine	59978-04-0
Aspergillus tamarii, Aspergillus oryzae	Antimicrobial principle of Oryzachlorin	Aspirochlorine	59978-04-0
Aspergillus terreus	Fibrinolysis enhancer	Geodin	427-63-4
Aspergillus terreus	Antibiotic	Estin	427-63-4
Aspergillus terreus	Antidiabetic	Kodaistatin D	215182-96-0
Aspergillus terreus	Antidiabetic	Kodaistatin B	215182-94-8
Aspergillus terreus	Antidiabetic	Kodaistatin C	215182-95-9
Aspergillus terreus	Antifungal	6-(4-Hydroxy-2-methylphenoxy)mellein	
Aspergillus terreus	Antioxidant	6-(4-Hydroxy-2-methylphenoxy)mellein	
Aspergillus terreus	Antifungal	Terreic acid (–)-form	121-40-4
Aspergillus terreus	Antibacterial	Terreic acid (–)-form	121-40-4
Aspergillus terreus	Antineoplastic	Asterriquinone	60696-52-8
Aspergillus terreus	Anti-HIV	Asterriquinone	60696-52-8
Aspergillus terreus	Antitumor	8-Hydroxyquadrone	91682-93-8
Aspergillus terreus	Antitumor	Quadrone	66550-08-1
Aspergillus terreus	broad-spectrum Antimicrobial	Antibiotic SS 19508B	102580-39-2
Aspergillus terreus	Catalyses the reaction of acetyl-CoA	Lovastatin nonaketide synthase	235426-97-8
Aspergillus terreus	Glucose-6-phosphatase inhibitor	Aspulvinone E	49637-60-7
Aspergillus terreus	Hypocholesterolaemic	3,5-Dihydro-3-hydroxymonacolin L	119786-66-2
Aspergillus terreus	HMG-CoA reductase inhibitor	3,5-Dihydro-3-hydroxymonacolin L	119786-66-2
Aspergillus terreus	Hypocholesterolaemic	Antibiotic MF 4833	86832-19-1
Aspergillus terreus	Antifungal	Antibiotic MF 4833	86832-19-1
Aspergillus terreus	Hypolipaemic by inhibiting cholesterol biosynthesis	Antibiotic MF 4833	86832-19-1
Aspergillus terreus	Cholesterol biosynthesis inhibitor	Antibiotic MF 4833	86832-19-1
Aspergillus terreus	Glucose 6-phosphate translocase inhibitor	Kodaistatin A	215182-93-7
Aspergillus terreus	Antidiabetic	Kodaistatin A	215182-93-7

Aspergillus terreus	Inhibits binding of proteins to the EGF receptor tyrosine kinase	Neoasterriquinone	78860-48-7
Aspergillus terreus	Tachykinin inhibitors	Antibiotic TAN 1666	
Aspergillus terreus	Tremorgenic toxin	Territrem A	70407-19-1
Aspergillus terreus	Acetylcholine esterase inhibitor	Territrem A	70407-19-1
Aspergillus terreus	Cytotoxic	Butyrolactone I 3-sulfate	1012860-64-8
Aspergillus terreus	Potent Uv-A protectant	Terreusinone	637334-34-0
Aspergillus terreus	Cytotoxic	Butyrolactone II	87414-44-6
Aspergillus terreus	Cyclin dependent kinase inhibitor	Butyrolactone I	87414-49-1
Aspergillus terreus	Cytotoxic	Butyrolactone I	87414-49-1
Aspergillus terreus Ambrosia ambrosoides	Cytotoxic	Terriquinone A	
Aspergillus terreus	Antioxidant	1,3-Dihydro-7-methyl-4,5,6-isobenzofurantriol	185018-44-4
Epicoccum purpurascens	Potent lipoxygenase inhibitor	Antibiotic NC3B	185018-44-4
Aspergillus terreus, Monascus ruber	Inhibitor of cholesterol biosynthesis	Mevinolin	75330-75-5
Aspergillus terreus, Monascus ruber	Potent inhibitor of HMG-CoA	Mevinolin	75330-75-5
Aspergillus terreus, Monascus ruber	Antihyperlipidaemic	Mevinolin	75330-75-5
Aspergillus terreus, Penicillium sp.	Strongly inhibits acetyl cholinesterase	Territrem B	70407-20-4
Aspergillus terreus, Penicillium sp.	Strongly inhibits acetyl cholinesterase	Territrem C	89020-33-7
Aspergillus terreus, Penicillium sp.	Tremorgenic toxin	Territrem B	70407-20-4
Aspergillus terreus, Penicillium sp.	Tremorgenic toxin	Territrem C	89020-33-7
Aspergillus terreus	Hypocholesterolaemic	4,4 α -Dihydromevinolin	77517-29-4
Aspergillus terreus	Antifungal	Dihydromonacolin K	77517-29-4
Aspergillus terreus	Hmg-Coa reductase inhibitor	4,4 α -Dihydromevinolin	77517-29-4
Aspergillus terreus	Hypocholesterolaemic	β -Hydroxymevinolin	85643-15-8
Aspergillus terreus	Antifungal	β -Hydroxymevinolin	85643-15-8
Aspergillus terreus	Hmg-Coa reductase inhibitor	β -Hydroxymevinolin	85643-15-8
Aspergillus terreus	Hypolipaemic	β -Hydroxymevinolin	85643-15-8
Aspergillus terreus	Acetylcholinesterase inhibitor	Terreulactone A	443882-57-3
Aspergillus terreus	ACE inhibitor	Terreulactone D	
Aspergillus terreus	ACE inhibitor	Terreulactone C	
Aspergillus terreus	ACE inhibitor	Terreulactone B	
Aspergillus terreus	Cytotoxic	Butyrolactone III	87414-45-7
Aspergillus terreus	Cholinesterase inhibitor	Antibiotic I 6123	
Aspergillus terreus	Glucosyltransferase inhibitor	Mutastein	
Aspergillus terreus	Suppresses the formation of dental caries	Mutastein	
Aspergillus terreus	Anti-influenza	Antibiotic FR 198248	
Aspergillus terreus Opuntia versicolor	Cytotoxic	Asterredione	
Aspergillus terreus	Mycotoxin	Alantrypinone (+)	212911-06-3
Penicillium thymicola	Insecticidal	Alantrypinone (+)	212911-06-3
Aspergillus terreus	Immunomodulator	Antibiotic TAN 2421A ₁	197023-48-6

Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone B3	78708-37-9
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone A2	78723-14-5
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone A4	78723-16-7
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone B2	78708-36-8
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone B1	78708-35-7
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone C2	78708-38-0
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone A3	78723-15-6
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone B4	78723-17-8
Aspergillus terreus var. africanus	weak Antitumor	Asterriquinone D	78723-19-0
Aspergillus terreus var. aureus	Anti-Trichophyton mentagrophytes	Monochlorosulochrin	89367-81-7
Aspergillus terreus var. aureus	Antibacterial	Dihydrogeodin	2151-16-8
Aspergillus terreus var. aureus	Antifungal	Dihydrogeodin	2151-16-8
Geomyces sp., Oospora sulphurea-ochracea, Penicillium frequentans, Scytalidium spp.	Endothelin binding inhibitor	Asteric acid	577-64-0
Neosartorya fischeri, Penicillium raistrickii	Phytotoxin	Terrein (+)	582-46-7
Aspergillus terreus infected hay	Mycotoxin	Terretonin	71911-90-5
Aspergillus tubingensis	Cytotoxic	Tubingensin B	126663-32-9
Aspergillus tubingensis	Anti-crop pests widely	Tubingensin A	122951-44-4
Aspergillus tubingensis	Anti-Heliothis zea	Tubingensin A	122951-44-4
Aspergillus tubingensis	Antiviral against herpes simplex virus type 1	Tubingensin A	122951-44-4
Aspergillus tubingensis	Cytotoxic	Tubingensin A	122951-44-4
Aspergillus unguis	Animal feed additive	4-Methylunguinol	158964-23-9
Aspergillus unilateralis, marine-derived Spicaria elegans	Cytotoxic	Aspergillazine A	
Aspergillus ustus	Bacillus subtilis inhibitor	Ophiobolin H	90108-64-8
Aspergillus ustus	Etiolated wheat coleoptile growth inhibitor	Ophiobolin H	90108-64-8
Aspergillus ustus	Mycotoxin	Dehydroaustin	82893-35-4
Aspergillus ustus	Convulsive enhancer	Dehydroaustin	82893-35-4
Aspergillus ustus	Plant growth inhibitor	Dihydropergillin	81118-18-5
Aspergillus ustus	Tremorgenic toxin	Austamide	34427-31-1
Aspergillus pseudodeflectus	Eosinophil survival inhibitor moderately	Antibiotic TMC 120B	250231-81-3
Aspergillus ustus	Phytotoxin	Ophiobolin G	90108-63-7
Aspergillus ustus	Anti-Bacillus subtilis	Ophiobolin G	90108-63-7
Aspergillus ustus	Etiolated wheat coleoptile growth inhibition	Ophiobolin G	90108-63-7
Aspergillus ustus	Cytotoxic (S-isomer only)	Phenylahistin	200815-37-8
Aspergillus ustus	Mammalian cell cycle inhibitory	Phenylahistin	200815-37-8
Aspergillus ustus	Inhibits tubulin polymerization	Phenylahistin	200815-37-8
Aspergillus ustus var. pseudodeflectus	Endothelin receptor binding	Antibiotic FF 8181B	179118-85-5
Aspergillus ustus var. pseudodeflectus	Endothelin receptor binding	Antibiotic FF 8181A	179118-87-7

Aspergillus ustus var. pseudodeflectus	Endothelin receptor binding	Antibiotic RES 1149-2	173560-30-0
Aspergillus varicolor	Anticoccidial	Variculanol	135513-21-2
Aspergillus varicolor B-17	Cytotoxic	Variecolortide B	
Aspergillus varicolor B-17	Cytotoxic	Variecolortide A	
Aspergillus versicolor	Antifungal	Mycoversilin	88527-18-8
Aspergillus versicolor	Cytotoxic	De-O-methylsterigmatocystin	30461-65-5
Aspergillus versicolor	Mycotoxin	De-O-methylsterigmatocystin	30461-65-5
Aspergillus versicolor	Mycotoxin	De-O-methyldihydrosterigmatocystin Dihydrodemethylsterigmatocystin	30517-66-9
Aspergillus versicolor	Mycotoxin	Aversin	62057-57-2
Aspergillus versicolor	Mycotoxin	Dihydrosterigmatocystin	6795-16-0
Aspergillus versicolor	Mycotoxin	Versicolorin C	16049-49-3
Marine-derived Humicola grisea	Mycotoxin	5-Methoxysterigmatocystin	22897-08-1
Aspergillus versicolor, Penicillium restrictum	Antifungal	Calbistrin A	147384-55-2
Solorina crocea, Cercospora arachidicola	Mycotoxin	Averantin (S)	5803-62-3
Chaetomium spp.	Mycotoxin	Sterigmatocystin	10048-13-2
Rheum hotaoense, Rumex alpinus	Inhibits growth of pine seedlings	1,3,6,8-Tetrahydroxyanthraquinone	52940-12-2
Trichoderma viride, Verticicladiella sp.	Key intermediate in synthesis of Averufin	Rheoemodin	52940-12-2
Aspergillus viridi-nutans	Antifungal	4-Acetyl-6,8-dihydroxy-5-methylisocoumarin	
Aspergillus viridi-nutans, Spicaria divaricata	Gram-positive organism inhibitor	Viriditoxin	35483-50-2
Aspergillus wentii	viricidal	Leuconic acid	3617-57-0
Aspergillus wentii	Phytotoxin	Wentilactone B	76236-26-5
Aspergillus zonatus, Aspergillus flavipes Sc 230	Mycotoxin	Aszonalenin	81797-27-5
Aspergillus zonatus, Aspergillus flavipes Sc 230	Substance P inhibitor	Aszonalenin	81797-27-5
Aspergillus zonatus, Aspergillus flavipes Sc 230	Abnormal development inducer of embryos	Aszonalenin	81797-27-5
Marine-derived Aspergillus carneus	Substance P inhibitor	Antibiotic LL-S 490b	42230-55-7
Oospora spp., Pinellia pedatisecta	Antibiotic	Cyclo(prolylvalyl) (3S,8aS)	2854-40-2
Tedania ignis. alga Scenedesmus sp., fungi Rhizoctonia solani, Rosellinia necatrix, root of Psammosilene tunicoides	Phytotoxic	Cyclo(prolylvalyl) (3S,8aS)	2854-40-2
Asperula, Rubia, Galium, Crucianella, Coprosma, Escallonia, Daphniphyllum spp.	Antiinflammatory	Asperuloside	14259-45-1
Asphodelus microcarpus	Antibacterial	Asphodelin A	
Asphodelus microcarpus	Antifungal	Asphodelin A	

Aspidosperma excelsum	Antimicrobial	16-Hydroxytetrahydrosecamine	88607-52-7
Aspidosperma excelsum	Antimicrobial	16-Hydroxy-16-decarbomethoxytetrahydrosecamine	88607-51-6
Aspidosperma marcgravianum, Aspidosperma auriculatum, Amsonia tabernaemontana, Mitragyna parvifolia, Hunteria zeylanica, Ochrosia moorei, Rhazya stricta (Apocynaceae, Naucleaceae)	Gram-positive bacteria inhibitor	Dihydrocorynantheol	2270-72-6
Aspidosperma nigricans	Antineoplastic	Olivacine N-oxide	2122-22-7
Aspidosperma nigricans	anti-walker 256 carcinosarcoma cells	Olivacine N-oxide	2122-22-7
Aspidosperma olivaceum	Cytotoxic	Apparicine (S)	2122-36-3
Aspidosperma spp., Catharanthus ovalis	Anti-mouse lymphocyte P-388 cells	Apparicine (S)	2122-36-3
Catharanthus roseus	weak Antibacterial	Apparicine (S)	2122-36-3
Ervatamia heyneana, Schizozygia caffaeoides	Antiviral	Apparicine (S)	2122-36-3
Pandaca ochrascens, Pandaca eusepala	Anti-Polio virus but not Vaccinia	Apparicine (S)	2122-36-3
Tabernaemontana cumminsii	Analeptic	Apparicine (S)	2122-36-3
Aspidosperma populifolium, Aspidosperma excelsum	weak Antibacterial against Bacillus subtilis, Staphylococcus aureus	11-Methoxytubotaiwine	2122-32-9
Aspidosperma quebracho-blanco (quebracho), Aspidosperma spp.	Diuretic	1-Acetyl-17-methoxyaspidospermidine	466-49-9
Vallesia glabra, Vallesia dichotoma, Strychnos angolensis	Respiratory stimulant	Aspidospermine	466-49-9
Aspidosperma quebracho-blanco	DNA-binding	Quebrachamine (R)	4850-21-9
Rhazya stricta	a2 receptor antagonist	Quebrachamine (R)	4850-21-9
Aspidosperma quebracho-blanco, Rauwolfia discolor	Hypotensive	Quebrachidine	4835-69-2
Vinca libanotica, Vinca spp., Alstonia odontophora, Alstonia spp., Tabernaemontana macrocalyx	Act on CNS	Vincarine	4835-69-2
Tabernaemontana undulata, Cabucala spp.	Sedative experimental	Quebrachidine	4835-69-2
Aspidosperma spp.	Antineoplastic	Olivacine	484-49-1
Tabernaemontana psychotrifolia	Potent anti-human carcinoma KB cells	Olivacine	484-49-1
Ochrosia spp.	Potent anti-L1210 leukaemia	Olivacine	484-49-1
Some other speices in Apocynaceae	Antiprotozoal	Guatambuine	484-49-1
Aspidosperma ulei, Aspidosperma australe	Antitumor	Uleine	517-81-7
Aspidosperma formosanum, Plumeria lancifolia	Anti-Walker 256 carcinosarcoma	1-Methylenedascarpidan	517-81-7
Asplenium indicum	Antihemorrhagic factor	2-Methyl-1,4-naphthoquinone	58-27-5
Asplenium laciniatum	prothrombogenic vitamin (synthetic)	Menadione	58-27-5
Juglans spp.	Radiation sensitiser	Menadione	58-27-5
Asplenium laciniatum	Antineoplastic	Menadione	58-27-5
Juglans spp.	Apoptosis inducer	Menadione	58-27-5

Astasia longa	Cytotoxic	Astasin	162559-39-9
Aster scaber	HIV-1 integrase inhibitor	3,5-Di-O-caffeoyl-muco-quinic acid	
Coffee, maté.	HIV-1 integrase inhibitor	Isochlorogenic acid c	57378-72-0
Aster scaber	Antiviral	Isochlorogenic acid c	57378-72-0
Brazilian propolis	Antihepatotoxic	4,5-Di-O-caffeoylquinic acid	57378-72-0
Aster tataricus	Antitumor	Astin	
Aster yunnanensis, grapefruit oil	spasmolytic	6',7'-Epoxyauraptene	36414-00-3
Asterias amurensis, Marthasterias glacialis, sponges Geodia gigas, Hymeniacidon sanguinea	Spawning-inducing factor in Asterias	Spongopurine	5142-22-3
Asterias forbesi, Aphelasterias japonica	hemolytic	Forbeside E3	129602-19-3
Asterina pectinifera	Antihypertensive	Pectinioside B	106521-63-5
Asterina pectinifera	Sedative	Pectinioside B	106521-63-5
Asterina pectinifera	hypnotic	Pectinioside B	106521-63-5
Asterionella sp.	Antibiotic	Asterionellin B	
Asteriscus aquaticus, Asteriscus spp.	Potent Cytotoxic	Asteriscunolide A	83488-75-9
Asteriscus aquaticus, Asteriscus spp.	Potent Cytotoxic	Asteriscunolide B	90383-29-2
Asteriscus aquaticus, Asteriscus spp.	Potent Cytotoxic	Asteriscunolide C	96726-87-3
Asteriscus aquaticus, Asteriscus spp.	Potent Cytotoxic	Asteriscunolide D	96726-86-2
Asteriscus graveolens, soursop, Carica pubescens	flavoring	FEMA 3364	2396-78-3
Asteropus sarasinosum	Cytotoxic	Sarasinoside A ₁	114099-54-6
Asteropus sarasinosum	Ichthyotoxic	Sarasinoside A ₁	114099-54-6
Asteropus sarasinosum	Ichthyotoxic	Sarasinoside B ₁	114066-50-1
Asteropus sarasinosum	Protein kinase C inhibitor	Sarasinoside G	147769-50-4
Asteropus sarasinosum	Protein kinase C inhibitor	Sarasinoside E	147769-48-0
Asteropus sarasinosum	Protein kinase C inhibitor	Sarasinoside D	147769-47-9
Asteropus simplex	Cathepsin β inhibitor	Asteropterin	1041186-56-4
Asteropus simplex	Sialidase inhibitor	Asteropine A	
Astilbe, Rodgersia, Caesalpinia, Peltoboykinia, Bergenia, Corylopsis spp.	Antioxidant	Bergenin	477-90-7
Mallotus, Shorea, Ardisia, Cuscuta, Connarus spp.	antitussive	Bergenin	477-90-7
Astragalus pyrenaicus, Tephrosia strigosa	Phytoalexin	Astraciceran	72026-91-6
Astragalus lentiginosus	Potent inhibitor of the fungal α -glucosidase	Lentiginosine	125279-72-3
Astragalus lentiginosus	Potent inhibitor of amyloglucosidase	Lentiginosine	125279-72-3
Astragalus membranaceus	Antimicrobial	2',8-Dihydroxy-4',7-dimethoxyisoflavan	201157-05-3
Astragalus membranaceus	Antimicrobial	2',3',7-Trihydroxy-4'-methoxyisoflavan	201157-06-4
Astragalus membranaceus ssp. mongholicus, Fructus schizandrae (Schisandra chinensis)	Antihepatopathic	Dimethyl 4,4'-dimethoxy-5,6:5',6'-bis(methylenedioxy)biphenyl-2,2'-dicarboxylate	73536-69-3

Astragalus membranaceus, Astragalus spp.	Immunostimulatory	Astragaloside I	84680-75-1
Astragalus pectinatus, Phallus impudicus (common stinkhorn) . urine of cystathionuric patients	Intermediate of methionine to cysteine via homocysteine	L-Cystathionine	56-88-2
Astragalus sp.	Dietary supplement for Se deficiency	Selenomethionine (S)	3211-76-5
Trifolium sp.	Radioprotective	Selenomethionine (S)	3211-76-5
Escherichia coli β-galactosidase	UV-protectant	Selenomethionine (S)	3211-76-5
Onion, cabbage, wheat grains	Anticancer	Selenomethionine (S)	3211-76-5
Seeds of coco de mono (Lecythis elliptica)	Used in metabolism studies	Selenomethionine (S)	3211-76-5
Brazil nuts (Bertholletia excelsa)	As a radioactive, diagnostic aid	Selenomethionine (S)	3211-76-5
Astragalus spp.	Livestock poison	Miserotoxin	24502-76-9
Astragalus spp.	Immunostimulant	Kaempferol 3-glucoside	480-10-4
Many plants	Potent Antibacterial	Astragalin	480-10-4
Astragalus spp.	Anticandidal	Astragalin	480-10-4
Astrogorgia sp.	Inhibits cell division in fertilised starfish eggs	Astrogorgiadiol	
Astrogorgia sp.	Cytotoxic	Astrogorgin	126210-15-9
Muricella sp.	Antiinflammatory	Astrogorgin	126210-15-9
Astrogorgia sp.	Toxic to brine shrimp	Astrogorgin	126210-15-9
Muricella sp.	Inhibits cell division in fertilised starfish eggs	Astrogorgin	126210-15-9
Astrogorgia sp.	cAMP inhibitor	Astrogorgin	126210-15-9
Atalantia paniculata (Rutaceae)	Molluscicidal moderately	Cusculine	143438-95-3
Atalantia paniculata (Rutaceae)	Cytotoxicity against several carcinoma cell lines	1,2,3,5,6-Pentamethoxyacridone	143438-95-3
Atapozoa sp.	DNA binding	Tambjamine E	126584-10-9
Nembrotha crista	DNA binding	Tambjamine F	126584-09-6
Nembrotha kubaryana	feeding deterrent	Tambjamine E	126584-10-9
Atapozoa sp., Nembrotha crista	feeding deterrent	Tambjamine F	126584-09-6
Ateleia glazioviana	Cytotoxic	Glaziovianin A	943724-06-9
Athanasia, Pentzia spp.	Farnesyl-protein transferase inhibitor	11,13-Dehydromatricarin	69904-98-9
Berberis thunbergii, Cyclea barbata	Anti-HeLa cells	O-Methylberbamine	477-57-6
Atherosperma moschatum, Berberis spp.	Anti-Ehrlich ascite	Isotetrandrine	477-57-6
Doryphora aromatica, Isopyrum thalictroides	Antineoplastic	Isotetrandrine	477-57-6
Laurelia sempervirens (Peruvian nutmeg)	Antiinflammatory	Isotetrandrine	477-57-6
Limaciopsis loagensis, Mahonia spp.	Anti-gram-positive bacteria	Isotetrandrine	477-57-6
Pycnarrhena spp., Stephania spp., Thalicttrum foetidum, Tiliacora funifera, Triclisia gillettii	Antihypertensive	Isotetrandrine	477-57-6
Berberis spp.	Antihypertensive	Berbamine	478-61-5
Cyclea, Limaciopsis spp.	leucocytotic	Berbenine	478-61-5
Atherosperma moschatum	Potent curarising	Berbamine	478-61-5

Mahonia spp.	Antibacterial	Berberine	478-61-5
Atherosperma sp.	Cytotoxic	Dicentrine methine	
Atherosperma sp.	Antiplatelet	Dicentrine methine	
Atherosperma sp.	Vasorelaxing	Dicentrine methine	
Athrotaxis selaginoides	Leukotriene biosynthesis inhibitor	T-Cadinol	
Athyrium yokoscense	Germination inhibitor	5,6-Epoxy-3-hydroxy-7-megastigmen-9-one	50281-42-0
Atlantic bryozoan Amathia convoluta	Antifeedant to hydroid larvae	Volutamide B (S)	176181-96-7
Atlantic bryozoan Amathia convoluta	Feeding deterrent to hydroid larvae	Volutamide A	176181-95-6
Atlantic bryozoan Amathia convoluta	Feeding deterrent to hydroid larvae	Volutamide E (R)	176182-11-9
Atlantic bryozoan Amathia convoluta	Antiinflammatory	Volutamide E (R)	176182-11-9
Atlantic bryozoan Amathia convoluta	Feeding deterrent to hydroid larvae	Volutamide D (R)	176182-10-8
Atlantic bryozoan Amathia convoluta	Antiinflammatory	Volutamide D (R)	176182-10-8
Atolla wyvillei birds' eggs.	Branch point in the biosynthetic pathway leading to Haem	Protoporphyrin	553-12-8
Demetallation of Haemin	Used to treat liver disorders in Na salt form	Protoporphyrin	553-12-8
Faeces. Brown pigment (Ooporphyrin)	Anti-HIV	Protoporphyrin IX	553-12-8
Atractaspis bibroni	Vasoconstrictor	Bibrotoxin	146836-78-4
Atractaspis microlepidota microdepidota	Cardiotoxic	Long sarafotoxins	
Atractylodes japonica	Antiinflammatory	8,9-Dehydroasterolide	73069-13-3
Atractylodes japonica, Peteravenia schultzei	Antiinflammatory	4(15),7(11)-Selinadien-8-one	54707-47-0
Atractylodes lancea	Inhibitor of 5-lipoxygenase		203443-33-8
Atractylodes lancea	Cyclooxygenase inhibitor	6-Hydroxy-2,8-dimethyl-2-(4-methyl-3-pentenyl)-2H-1-benzopyran	203443-33-8
Atractylodes sp.	Antibacterial	Atractylodin	55290-63-6
Atractylodes sp.	Antifungal	Atractylodin	55290-63-6
Atrax robustus	Neurotoxin	Robustoxin	91728-12-0
Atrax versutus	Neurotoxin	Versutoxin	114264-83-4
atria of African giant snail (Achatina fulica)	Potentiates the beat of the ventricle in A. fulica	Achatina Cardioexcitatory peptide 1	127122-98-9
atrial gland of marine mollusc Aplysia californica	Inducer of egg-laying	Califin	
Atropa belladonna, Hyoscyamus niger, Datura, Erythroxylum, Solanum, Cyphomandra, Margaranthus, Acnistus, Salpichroa, Scopolia, Solandra, Convolvulus, Mandragora, Anthocercis, Lycianthes spp.	Inhibitor of 2,4-dinitrofluorobenzene-induced hypersensitivity in mice	Cuscohygrine	454-14-8
Atropa belladonna, Convolvulus scammonia, Ipomoea orizabensis, Prunus serotina, Fabiana imbricata	Antispasmodic	7-Hydroxy-6-methoxycoumarin	92-61-5
Diospyros, Peucedanum, Heracleum, Skimmia spp.	Antiinflammatory	Scopoletin	92-61-5
Angelica acutiloba, Gelsemium sempervirens	eicosanoid release inhibitor	Scopoletin	92-61-5

Atropa belladonna, Datura pruinosa, Datura stramonium, Duboisia leichhardtii, Anisodus tanguticus root, Hyoscyamus orientalis, Mandragora spp., Physochlaina alaica, spp.	Antispasmodic	Apoatropine	500-55-0
Atropa belladonna, Datura stramonium, Anthocercis, Solanaceae	Mydriatic	Atropine	51-55-8
Atropa belladonna	Antispasmodic	Tropine tropate (±)	51-55-8
Datura stramonium	Cycloplegic	Atropine	51-55-8
Anthocercis, Solanaceae	Smooth muscle relaxant	Tropine tropate (±)	51-55-8
Atropa belladonna	Used in preanaesthetic medication to prevent reflex brachycardia, bronchospasm	Atropine	51-55-8
Datura stramonium	Used in preanaesthetic medication to decrease gland secretions	Tropine tropate (±)	51-55-8
Anthocercis, Solanaceae	Reduces rigidity in parkinsonism	Atropine	51-55-8
Atropa belladonna	Antidote to poisoning with parasympathomimetics, e.g. nerve gases	Tropine tropate (±)	51-55-8
Datura stramonium	Cause of deliberate, accidental poisoning of humans, livestock	Atropine	51-55-8
Anthocercis, Solanaceae	Nontoxic to some animals, e.g. rabbits	Tropine tropate (±)	51-55-8
Atropa belladonna	Reference material used in elemental microanalysis	Atropine	51-55-8
Atropa, Datura spp	Antimuscarinic with twice potency of atropine	Hyoscyamine	101-31-5
Mandragora officinarum	Spasmolytic	Duboisine	101-31-5
Anthocercis, Scopolia spp.	Bronchodilator	Daturine	101-31-5
Duboisia myoporoides	Sedative	Tropine tropate (S)	101-31-5
Duboisia spp.	Analgesic	Hyoscyamine	101-31-5
Aucuba japonica	Antibacterial	Aucubin	479-98-1
Plantago lanceolata	Phytotoxic	Rhimantin	479-98-1
Verbascum thapsus	Antihistamine releasing inhibitor	Aucuboside	479-98-1
Veronica persica	Germination inhibitor	Rhinanthin	479-98-1
Widespread in Scrophulariaceae	5-Lipoxygenase inhibitor	Aucubin	479-98-1
Aucuba japonica	cAMP phosphodiesterase inhibitor	Rhimantin	479-98-1
Auletta cf. constricta	Cytotoxic	Milnamide A	156430-97-6
Auletta cf. constricta	Microtubule formation inhibitor	Milnamide A	156430-97-6
Auletta sp.	Cytotoxic	Milnamide C	675875-88-4
Auletta sp., Cymbastela sp.	Cytotoxic	Milnamide B	157207-90-4
Hemiasterella minor	Microtubule formation inhibitor	Milnamide B	157207-90-4
Aulosira fertilissima	Cytotoxic	Aulosirazole	159194-92-0
Aurelia aurita	Antimicrobial	Aurelin	
Aureobasidium pullulans	Antifungal	Antibiotic R 106I	149997-26-2
Aureobasidium pullulans	Antifungal	Aureobasidins	
Aureobasidium pullulans	Inositol phosphoceramide synthase	Aureobasidins	

	inhibitor		
<i>Aureobasidium pullulans</i>	P-glycoprotein inhibitors	Aureobasidins	
<i>Aureobasidium</i> R1930	Antimicrobial	Antibiotic R 1930	142443-73-0
<i>Aureobasidium</i> R1930	fungicidal	Antibiotic R 1930	142443-73-0
<i>Aureobasidium</i> sp.	Anti-protease	Aureoquinone	
<i>Aureobasidium</i> sp.	Gram-positive bacteria inhibitor	Aureoquinone	
<i>Aureobasidium</i> sp.	Tea pollen growth inhibitor	Hydroxysulochrin	
Australian ascidian, bryozoan <i>Bugula dentata</i> , mutant strain of bacterium <i>Serratia marcescens</i> , <i>Streptomyces coelicolor</i> , <i>Nembrotha kubaryana</i>	Anti-gram-positive bacteria mildly	4-Methoxy-5-[(3-methoxy-5-pyrrol-2-yl-2 <i>H</i> -pyrrol-2-ylidene)methyl]-2,2'-bipyrrole	19369-65-4
Australian common froglet <i>Crinia signifera</i>	Neuropeptides with smooth muscle-contracting	Signiferins	
Australian streambank froglet <i>Crinia riparia</i>	Neuropeptides	Riparins	
<i>Austroplenckia populnea</i>	Gram-negative, -positive bacteria inhibitor	Abruslactone A	84104-71-2
<i>Austroplenckia populnea</i>	DNA polymerase b inhibitor	3-Oxo-12-oleanen-29-oic acid	76094-29-6
<i>Sandoricum koetjape</i> (santol)	Anti-gram-positive, -negative bacteria	Katononic acid	76094-29-6
<i>Austrovenus stutchburyi</i>	Neurotoxin	Brevetoxin B ₁	161434-86-2
<i>Austrovenus stutchburyi</i>	Neurotoxin	Brevetoxin B ₅	
<i>Austrovenus stutchburyi</i>	Neurotoxin	(4-Methoxycarbonylbutyl)trimethylammonium	85806-09-3
<i>Auxarthron conjugatum</i> , <i>Gymnoascus reessii</i>	Cytotoxic	Auxarconjugatin A (<i>all-E</i>)	
<i>Auxarthron umbrinum</i>	Cytoprotective	Rumbrin	150206-14-7
<i>Gymnoascus reessii</i>	Calcium accumulation inhibitor	Rumbrin	150206-14-7
<i>Auxarthron umbrinum</i>	Active oxygen remover	Rumbrin	150206-14-7
<i>Gymnoascus reessii</i>	Lipid peroxidation inhibitor	Rumbrin	150206-14-7
<i>Auxemma oncostyloides</i>	Cytotoxic	Oncostyloxone A	154205-16-0
<i>Avena sativa</i>	Resistance factor to take-all disease of oat	Avenacin A1	90547-90-3
<i>Avena sativa</i>	Resistance factor to take-all disease of oat	Avenacin A2	90547-91-4
<i>Avena sativa</i>	Resistance factor to take-all disease of oat	Avenacin B1	90547-92-5
<i>Avena sativa</i>	Resistance factor to take-all disease of oat	Avenacin B2	90547-93-6
<i>Avena sativa</i>	Phytoalexin	Bisavenanthramide B ₆	
<i>Avena sativa</i>	Phytoalexin	Avenalumin I	108605-70-5
<i>Avena sativa</i> (oats)	Catalyses the reaction of Biliverdin	Phytochromobilin:ferredoxin oxidoreductase	138263-99-7
<i>Avena sativa</i> (oats)	Phytosiderophore	Avenic acid A	76224-57-2
<i>Avena sativa</i>	Phytoalexin	Avenanthramide L	172549-38-1
<i>Avrainvillea rawsonii</i>	Inhibitor of inosine 5'-monophosphate dehydrogenase	Isorawsonol	158149-54-3
<i>Axinella brevistyla</i>	Antifungal	N ¹ -Methylmanzacidin C	389120-67-6
<i>Axinella brevistyla</i>	Antifungal	Dibromomaleimide	1122-10-7

Axinella brevistyla	Antifungal	2-Bromomaleimide	45514-47-4
Axinella brevistyla	Cytotoxic	N¹-Methylmanzacidin C	389120-67-6
Axinella brevistyla	Cytotoxic	Dibromomaleimide	1122-10-7
Axinella brevistyla	Cytotoxic	2-Bromomaleimide	45514-47-4
Axinella cannabina, Phyllidia pulitzeri	Ichthyotoxic	Axisonitrile 1	53822-96-1
Axinella cannabina, sponges	Immunopotentiator	Fungisterol	516-78-9
Chlorella ellipsoidea, Suillus sibiricus	Anticomplementary	g-Ergosterol	516-78-9
Lichen Parmelia furfuracea	Immunohaemolysis inhibitor	Fungisterol	516-78-9
Axinella cannabina	Potent Antimycobacterial	Axisonitrile 3	59633-83-9
Topsentiasp., Ciocalypa sp.	Anthelmintic	Axisonitrile 3	59633-83-9
Axinyssa aplysinoides	Antifouling	Axisonitrile 3	59633-83-9
Phyllidia pustulosa	Larval settlement inhibitor	Axisonitrile 3	59633-83-9
Acanthella sp.	Spongicide	Axisonitrile 3	59633-83-9
Axinella carteri	Cytotoxic	3-Bromohymenialdisine	175421-15-5
Axinella carteri	Antitumor moderately	Axinellin B	215586-20-2
Axinella carteri	Antitumor moderately	Axinellin A	215586-19-9
Axinella carteri	Tubulin polymerisation inhibitor	Halistatin 2	151013-33-1
Axinella cf. carteri	Cytotoxic	Axinastatin 4	150731-25-2
Axinella cf. carteri, Hymeniacidon sp.	Cytotoxic	Axinastatin 5	156281-02-6
Axinella damicornis	Serotonin receptor modulator	Damituricine	949091-37-6
Axinella damicornis	Serotonin receptor modulator	Damipipicoline	949091-36-5
Axinella infundibula	Human telomerase inhibitor	Axinelloside A	868081-48-5
Axinella polycapella	Antimicrobial	2,2',4,4',5,5'-Biphenylhexol	76625-61-1
Axinella polycapella, Gomphidius spp.	Antibacterial	1,2,4-Benzenetriol	533-73-3
Axinella polypoides	D-Galactose-binding lectins	Axinella polypoides Lectins	
Axinella sp.	Cytotoxic	Axinastatin 2	153723-34-3
Axinella sp.	Cytotoxic	Axinastatin 3	153723-35-4
Axinella sp.	Cytotoxic	Herbindole C	128397-80-8
Axinella sp.	Cytotoxic	Herbindole B	128397-79-5
Axinella sp.	Cytotoxic	Herbindole A	128397-78-4
Axinella sp.	Antifeedant to fish	Herbindole C	128397-80-8
Axinella sp.	Antifeedant to fish	Herbindole B	128397-79-5
Axinella sp.	Antifeedant to fish	Herbindole A	128397-78-4
Axinella spp., Halichondria okadai	Cytotoxic	Halichondrin B	103614-76-2
Phakellia carteri, Lissodendoryx sp.	Antimitotic	Halichondrin B	103614-76-2
Axinella spp., Halichondria okadai, Phakellia carteri, Lissodendoryx sp.	Microtubule assembly inhibiting	Halichondrin B	103614-76-2
Axinella weltneri	Potent Cytotoxic	Sodwanone H	172854-78-3
Axinella weltneri, Ptilocaulis spiculifer	Cytotoxic	Sodwanone A	150050-12-7
Axinyssa aplysinoides	Antifouling	2-Thiocyanatoneopupukaenane	137371-79-0
Axinyssa aplysinoides	Larval settlement inhibitor	2-Thiocyanatoneopupukaenane	137371-79-0

Axinyssa aplysinoides	Crustacean metamorphosis inhibitor	2-Thiocyanatoneopupukaenane	137371-79-0
Axinyssa fenestratus	Anthelmintic	4-Isothiocyanato-9-cadinene	133738-44-0
Axinyssa fenestratus	Anthelmintic	4-Isothiocyanato-9-amorphene	
Axinyssa fenestratus	Anthelmintic	10-Isothiocyanato-5-amorphen-4-ol	133738-46-2
Axinyssa fenestratus	Anthelmintic	10-Isothiocyanato-4,6-amorphadiene	133738-45-1
Axinyssa fenestratus, Phyllidia pustulosa	Anthelmintic	(+)-10-Isothiocyanato-10-amorphene	133813-24-8
Axinyssa fenestratus, Phyllidia pustulosa	Antibarnacle by larval antisetlement, development inhibition	(+)-10-Isothiocyanato-10-amorphene	133813-24-8
Axinyssa sponge	Antifouling	Axinyssimide C	217481-01-1
Axinyssa sponge	Antifouling	Axinyssimide B	184173-51-1
Axinyssa sponge	Antifouling	1,7-Epidioxy-5-guaiene	105281-47-8
Axinyssa sponge, Phyllidia pustulosa	Antifouling	Axinyssimide A	184173-50-0
Ayapana amygdalina, Lycopersicon hirsutum	Moth oviposition stimulant	α -Santallic acid	74642-79-8
Azadirachta excelsa seed kernels	Insect Antifeedant showing high	Marrangin	149725-34-8
Azadirachta indica	Antifeedant	Azadirachtin B	106500-25-8
Azadirachta indica	Anti-various insect spp.	3-Tigloylazadirachtol	106500-25-8
Azadirachta indica	antiinsect	Deacetylnimbinene	78916-55-9
Azadirachta indica	antiinsect	Nimbinene	78916-54-8
Azadirachta indica	antiinsect	6-Acetylnimbandiol	78916-57-1
Azadirachta indica	antiinsect	Nimbandiol	78916-53-7
Azadirachta indica	Antitumor	7-Acetylneotrichilenone	18046-82-7
Azadirachta indica	Cytotoxic	28-Deoxonimbolide	
Azadirachta indica	Antibacterial in vitro	Nimbolide	25990-37-8
Azadirachta indica	Cytotoxic towards human Tumor cells	Nimbolide	25990-37-8
Azadirachta indica	Insect Antifeedant	3-Acetyl-1-tigloylvilasinin	
Azadirachta indica	Insect Antifeedant	Azadirachtol	163520-84-1
Azadirachta indica	insect Antifeedan	Azadirachtin G	
Azadirachta indica	Insect Antifeedant	3-Isobutyroylazadirachtol	
Azadirachta indica	Insect Antifeedant	Isovepaol	125278-94-6
Azadirachta indica	Insect Antifeedant	β -Nimolactone	146278-54-8
Azadirachta indica	Insect Antifeedant	α -Nimolactone	146257-79-6
Azadirachta indica	Nematocidal	β -Nimolactone	146278-54-8
Azadirachta indica	Nematocidal	α -Nimolactone	146257-79-6
Azadirachta indica	Bactericidal	β -Nimolactone	146278-54-8
Azadirachta indica	Bactericidal	α -Nimolactone	146257-79-6
Azadirachta indica	Insect Antifeedant	Vilasinin	
Azadirachta indica	larvicidal against Aedes aegypti	Isonimolide	113375-81-8
Azadirachta indica	larvicidal against Aedes aegypti	Isonimocinolide	104494-23-7
Azadirachta indica	Antifeedant to insect moderately	7-Benzoylnimbocinol	72446-30-1

Azadirachta indica	Nematocidal against Meloidogyne incognita	17-Epi-17-hydroxyazadiradione	160669-70-5
Azadirachta indica	Intermediate in the synthesis of Azadirachtin	1,3-Diacetyl-11,19-deoxa-11-oxomeliacarpin	122585-42-6
Azadirachta indica	Insect growth-disrupting	Isonimbocinolide	103188-07-4
Azadirachta indica	Antifeedant to insect significantly	Azadirachtin F	118855-02-0
Azadirachta indica	Spermicide	2,4-Pentanediol; (2x,4x)-form, 2-Octadecanoyl, 4-hexadecanoyl	855788-51-1
Azadirachta indica	Termite Antifeedant	7-De-O-acetyl-7-O-benzoylgedunin	78285-83-3
Azadirachta indica	Very active insect phagorepellant (Antifeedant)	Azadirachtin A	11141-17-6
Azadirachta indica	Systemic growth disruptor	Azadirachtin	11141-17-6
Azadirachta indica	Potent insect Antifeedant against the termite Reticulitermes speratus	17-Hydroxynimbocinol	117659-70-8
Azadirachta indica, Chisocheton paniculatus	Antifeedant	Nimbocinol	101509-58-4
Azadirachta indica green winter leaves	larvicidal against Aedes aegypti	Nimocinolide	104494-22-6
Azadirachta indica oil	Antibacterial somewhat	Mahmoodin	140163-23-1
Azadirachta indica, Cedrela odorata, Khaya grandifolia, Entandrophragma angolense	Antimalarial	Gedunin	2753-30-2
Azadirachta indica, Trichilia trifolia, Chukrasia tabularis	Termite Antifeedant	7-Deacetylgedunin	
Azoarcus sp.	Catalyses the reaction of Ethylbenzene	Ethylbenzene hydroxylase	249614-72-0
Azotobacter vinelandii	Siderophore	Aminochelin	114191-64-9
Azotobacter vinelandii	Immunomodulator	Ubiquinone 8	2394-68-5
Pseudomonas alkanolytica	Antifouling	Coenzyme Q; Coenzyme Q₈	2394-68-5
Azotobacter vinelandii	Siderophore	Azotobactin D	109336-19-8
Babycurus centrurimorphus	Neurotoxin	Babycurus Toxin 1	
Babylonia japonica	Ganglion blocking	Prosurugatoxin	99102-40-6
Babylonia japonica	Phycotoxin	Prosurugatoxin	99102-40-6
Babylonia japonica	Mydriatic	Prosurugatoxin	99102-40-6
Babylonia japonica, Ivory shell	Marine toxin, causing shellfish poisoning	Surugatoxin	40957-92-4
Baccharis conferta, Ageratina altissima, Ophryosporus axilliflorus, Critonia daleoides, Parastrephia lepidophylla, Podochaenium eminens, white snakeroot	Antiinflammatory	Tremetone (R)	4976-25-4
Baccharis megapotamica	Antineoplastic	Isobaccharin	63814-58-4
Baccharis megapotamica	Potent Antineoplastic in vitro	Baccharin	61251-97-6
Baccharis sarothroides, Balsamorhiza macrophylla, Brickellia arguta	Antineoplastic	Quercetin 3,4'-dimethyl ether	33429-83-3
Baccharis spp., Conyza spp.	Antifungal	2,4-Decadiene-6-yn-4-olide	23251-67-4
Erigeron spp. Xiao Fei Peng	Cytotoxic	Cumulene	23251-67-4
Conyza canadensis aerial parts	Inhibits human topoisomerase	Lachnophyllum lactone	23251-67-4

Baccharis tricuneata	Antifeedant	Bacchotricuneatin A	65596-25-0
Baccharis, Eupatorium, Gymnopentzia, Polymnia, Iris, Betula, Notholaena, Prunus, Eucalyptus, Juglans and Poecilanthe spp.	Phytoalexin	4',5-Dihydroxy-7-methoxyflavanone (S)	2957-21-3
Bacillus alvei	Antimicrobial	Alvein	
Bacillus aurantinus	Antibiotic	Aurantinin A	112900-07-9
Bacillus aurantinus	Anti-fungi	Aurantinin A	112900-07-9
Bacillus badius, Bacillus cereus	Gram-positive bacteria inhibitor	Thiocillin I	59979-01-0
Bacillus brevis	Antibacterial	Bacratyacin	1404-88-2
Bacillus brevis	Antibacterial	Antibiotic 681-17	69431-91-0
Bacillus brevis	Antibiotic	Brevin	
Bacillus brevis	Topical Aantibiotic clinically	Gramicidin S	113-73-5
Bacillus brevis	Anti-gram-positive bacteria	Soviet gramicidin	113-73-5
Bacillus brevis	Antibiotic	Synpron	57904-01-5
Bacillus brevis	Augmenting	Synpron	57904-01-5
Bacillus brevis	Antimicrobial	Brevolin	
Bacillus brevis, Brevibacterium flavum	Antifungal	Brevicine	59537-37-0
Bacillus brevis sp. AS 1998	Gram-negative, -positive bacteria inhibitor	Antibiotic 1998	56126-59-1
Bacillus brevis strains	Gram-negative, -positive bacteria inhibitor	Edeine	
Bacillus brevis strains	Yeasts inhibitor	Edeine	
Bacillus brevis strains	Antifungi	Edeine	
Bacillus brevis strains	DNA biosynthesis inhibitor	Edeine	
Bacillus brevis strains	Combining with nucleic acids	Edeine	
Bacillus brevis, microorganisms	Catalyses the reaction of 2(1 <i>H</i>)-Pyridinone	2-Hydroxypyridine 5-monooxygenase	96779-45-2
Bacillus brevis.	Anti-gram-positive bacteria strongly	Gramicidins A-D	1405-97-6
Bacillus brevis.	Causing haemolysis of red blood cells	Gramicidins A-D	1405-97-6
Bacillus brevis.	Transports cations across membranes	Gramicidins A-D	1405-97-6
Bacillus brevis.	Combination with other Antimicrobials	Gramicidins A-D	1405-97-6
Bacillus cereus	Antifungi	Mycocerein	94700-82-0
Bacillus cereus	Yeasts inhibitor	Mycocerein	94700-82-0
Bacillus cereus	Gram-negative, -positive bacteria inhibitor	Glysperin A	78213-56-6
Bacillus cereus	Reverse transcriptase inhibitor	Glysperin A	78213-56-6
Bacillus cereus	Gram-negative, -positive bacteria inhibitor	Biocerin	
Bacillus cereus	Gram-negative, -positive bacteria inhibitor	Glysperin B	78213-55-5
Bacillus cereus	Reverse transcriptase inhibitor	Glysperin B	78213-55-5
Bacillus cereus	Gram-positive bacteria inhibitor	Cerexins	
Bacillus cereus	Bacteriocin	Cerein	153326-33-1
Bacillus cereus	Emetic toxin	Homocereulide	170034-95-4

Bacillus cereus	Cytotoxic	Homocereulide	170034-95-4
Bacillus cereus	Inhibitor of poly(ADP-ribose) synthetase	2-Methyl-4-quinazolinol	1769-24-0
Bacillus cereus	Inhibits dipeptidyl aminopeptidase IV. Immunostimulant	Diprotin B	90614-49-6
Bacillus cereus	Inhibits dipeptidyl aminopeptidase IV	Diprotin A	90614-48-5
Bacillus cereus	Immunostimulant	Diprotin A	90614-48-5
Bacillus cereus	Phospholipase inhibitor	Plipastatin B ₁	103955-73-3
Bacillus cereus	Phospholipase inhibitor	Plipastatin A ₂	103955-72-2
Bacillus cereus	Phospholipase inhibitor	Plipastatin A ₁	103651-09-8
Bacillus cereus	Phospholipase inhibitor	Plipastatin B ₂	103955-74-4
Bacillus cereus	Rb, K selective ionophore	Cereulide	157232-64-9
Bacillus cereus	Emetic toxin	Cereulide	157232-64-9
Bacillus cereus	Cytotoxic	Cereulide	157232-64-9
Bacillus cereus	Reverse transcriptase inhibitor	Glysperin C	78213-54-4
Bacillus cereus	Thiol proteinase inhibitor	Thiolstatin	
Bacillus cereus	Contraceptive	Thiolstatin	
Bacillus cereus	Bacteriocin	Cerein; Cerein 8A	
Bacillus cereus, Streptomyces setonii	Antifungal	Cispentacin	122672-46-2
Bacillus cereus	Bacteriocin	Cerein; Cerein 7	248951-91-9
Bacillus cereus	Antifungal	Bacereutin	130123-01-2
Bacillus cereus	Antibacterial	Antibiotic FR 900493	127463-70-1
Bacillus cereus	Methionine antagonist	Azoxybacilin (Z,S)	157998-96-4
Bacillus cereus	Antifungal	Azoxybacilin (Z,S)	157998-96-4
Bacillus cereus	Gram-positive bacteria inhibitor	Antibiotic YM 266184	
Bacillus cereus	Gram-positive bacteria inhibitor	Antibiotic YM 266183 YM 266183	
Bacillus cereus	Vitamin B12		78524-74-0
Bacillus cereus	Antimetabolite		78524-74-0
Bacillus cereus	Antibacterial		78524-74-0
Bacillus cereus	Antibacterial	GIF 1	100214-55-9
Bacillus cereus	Antifungal	Zwittermicin A	155547-95-8
Bacillus cereus	plant protection	Zwittermicin A	155547-95-8
Bacillus cereus var. mycoides	Gram-positive bacteria inhibitor	Antibiotic β 42	53414-61-2
Bacillus circulans	Gram-negative bacteria inhibitor	Octapeptin C	
Bacillus circulans	Gram-negative, -positive bacteria inhibitor	Permetin A	71888-70-5
Bacillus circulans	Anaerobic bacteria inhibitor	Permetin A	71888-70-5
Bacillus circulans	Animal food additive	Permycin A	71888-70-5
Bacillus circulans	Gram-negative, -positive bacteria inhibitor	Polymyxin F	64684-14-6
Bacillus circulans	Gram-positive bacteria inhibitor	Antibiotic BN 175	62862-83-3
Bacillus circulans	Antifungi	Polypeptin B	59866-84-1

Bacillus circulans	Gram-negative, -positive bacteria inhibitor	Polypeptin B	59866-84-1
Bacillus circulans	Antibacterial	Antibiotic β 43	61230-33-9
Bacillus circulans	Antibacterial	Antibiotic AB 2	62395-65-7
Bacillus circulans	Antibiotic	Antibiotic MX-A	59519-92-5
Bacillus circulans	Anti-Pseudomonas aeruginosa	Antibiotic MX-A	59519-92-5
Bacillus circulans	broad spectrum Antimicrobial	Bagougeramine A	104840-35-9
Bacillus circulans	Anti-two-spotted spider-mite	Bagougeramine A	104840-35-9
Bacillus circulans	broad spectrum Antimicrobial	Octapeptin A	
Bacillus circulans	Antifungal	Octapeptin A	
Bacillus circulans	antiprotozoal	Octapeptin A	
Bacillus circulans	Antiprotozoal	Octapeptin B	
Bacillus circulans	broad-spectrum Antibacterial	Butirosin 1709E ₂	66749-41-5
Bacillus circulans	broad-spectrum Aantibiotic	Butirosin BU 1709E ₁	54333-82-3
Bacillus circulans	Aantibiotic	Butirosin BU 1975C ₁	52760-38-0
Bacillus circulans	Aantibiotic	4'-Deoxybutirosin B	53185-10-7
Bacillus circulans	Miticide	Bagougeramine B	104840-34-8
Bacillus circulans	Acaricide	Bagougeramine B	104840-34-8
Bacillus circulans	Antimicrobial with broad spectrum	Bagougeramine B	104840-34-8
Bacillus circulans	Anti-two-spotted spider mite	Bagougeramine B	104840-34-8
Bacillus circulans (NRRL B-3312, B-3313)	Broad spectrum Aantibiotic	Butirosin A	34291-02-6
Bacillus circulans	Antifungi	Polypeptin A	59866-83-0
Bacillus krzemieniewskii	Gram-negative, -positive bacteria inhibitor	Polypeptin A	59866-83-0
Bacillus circulans, Bacillus vitellinus	Broad spectrum Aantibiotic	Xylostacin	50474-67-4
Bacillus circulans by directed biosynthesis	Gram-negative, -positive bacteria inhibitor	3',4'-Dideoxy-6'-N-methylbutirosin A	64981-62-0
Bacillus circulans by directed biosynthesis	broad-spectrum, slightly less than Butirosin A	3',4'-Dideoxy-6'-N-methylbutirosin B	65025-70-9
Bacillus circulans H913-B4	Anti-gram-positive, -negative bacteria	Antibiotic BMY 28160	94593-78-9
Bacillus circulans H913-B4	Anaerobes	Antibiotic Bu 2611	94593-78-9
Bacillus circulans H913-B4	Antifungi	Antibiotic Bu 2611	94593-78-9
Bacillus circulans in presence of 3,4-dideoxyneamine	Antibiotic	3',4'-Dideoxybutirosin B	42242-66-0
Bacillus circulans incubated with 3,4-dideoxyneamine	Butirosin-sensitive, butirosin-resistant bacteria inhibitor	3',4'-Dideoxybutirosin A	53318-76-6
Bacillus circulans J2154	Antibacterial	Circulocin g	
Bacillus circulans J2154	Antibacterial	Circulocin d	
Bacillus circulans J2154	Antibacterial	Circulocin a	
Bacillus circulans mutant	Gram-negative, -positive bacteria inhibitor	Antibiotic S-11-A	75303-50-3
Bacillus circulans sp. BN-7	Antibacterial	Antibiotic BN 7	50925-56-9
Bacillus circulans sp. TM-743	Antibacterial	Antibiotic TM 743	59494-02-9
Bacillus coagulans	Antibiotic synergism with Penicillin G	Chinosporin S	61287-35-2

Bacillus coagulans	Antifungal	Chaetomacin	90452-09-8
Bacillus halodurans	LAantibiotic	Haloduracin	
Bacillus laevolacticus	Antitumor	Bacillus laevolacticus Polysaccharide	
Bacillus laterosporus	Gram-negative, -positive bacteria inhibitor	Spergualin	80902-43-8
Bacillus laterosporus	Antitumor	Spergualin	80902-43-8
Bacillus laterosporus	Immunosuppressant	Spergualin	80902-43-8
Bacillus laterosporus	Angiogenesis inhibitor	Spergualin	80902-43-8
Bacillus laterosporus	Gram-positive bacteria inhibitor	Laterosporin	1392-15-0
Bacillus laterosporus	Aminopeptidase M inhibitor	Leuhistin	129085-76-3
Bacillus laterosporus	Immunostimulant	Leuhistin	129085-76-3
Bacillus laterosporus	Immunosuppressant	15-Deoxyspergualin	89149-10-0
Bacillus laterosporus	Used clinically in kidney transplantation	15-Deoxyspergualin	89149-10-0
Bacillus laterosporus	Antineoplastic	15-Deoxyspergualin	89149-10-0
Bacillus laterosporus	Angiogenesis inhibitor	15-Deoxyspergualin	89149-10-0
Bacillus laterosporus	Anti-gram-positive, -negative bacteria weakly	Laterosporamine	59978-76-6
Bacillus licheniformis 2725	Antimicrobial	Antibiotic 2725	37316-78-2
Bacillus licheniformis	Antifungal	Antibiotic HUT 57	
Bacillus licheniformis	Biosurfactant	Lichenysin A	163663-04-5
Bacillus licheniformis	Antibacterial	Lichenysin A	163663-04-5
Bacillus licheniformis	Biosurfactant. At least 10 times more active than Surfactins	Lichenysin G	
Bacillus licheniformis, Bacillus subtilis	Nephrotoxin	Bacitracin	
Bacillus licheniformis, Bacillus subtilis	Nephrotoxin	Bacitracin	
Bacillus licheniformis, Bacillus subtilis	Neuromuscular blocking	Bacitracin	
Bacillus licheniformis, Bacillus subtilis	Prolyl endopeptidase inhibitor	Bacitracin	
Bacillus licheniformis, Bacillus subtilis	Broad-spectrum activities	Bacitracin	
Bacillus licheniformis, Bacillus subtilis	Used clinically as a topical	Bacitracin	
Bacillus licheniformis M-4	Antifungal	Fungicin M4	159605-60-4
Bacillus licheniformis VK21	Siderophore	N-(3,4-Dihydroxybenzoyl)glycylthreonine	
Bacillus licheniformis water buffalo	Bacteriocin	Lichenin	386214-95-5
Bacillus megaterium	Anti-Phytophthora sp.	Arginidiene	154163-95-8
Bacillus megaterium	Antibacterial	Oxetanocin (2S,3R,4R)	103913-16-2
Bacillus megaterium	Anti-HIV	Oxetanocin (2S,3R,4R)	103913-16-2
Bacillus megaterium	Antibacterial	N-Acetylmuramoyl-L-alanyl-D-glutamyl-g-diaminoadipic acid	66660-09-1
Bacillus megaterium	Immunostimulant		66660-09-1
Bacillus megaterium	Catalyses the reaction of acetyl-CoA	Tetrahydrodipicolinate N-acetyltransferase	83588-91-4
Bacillus megaterium	Inhibits alkaline phosphatase of bovine	Alphostatin	90119-88-3

	liver		
Bacillus megaterium	Antitumor	Alphostatin	90119-88-3
Bacillus megaterium, Staphylococcus aureus	Catalyses the reaction of Coenzyme A	CoA-disulfide reductase	206770-55-0
Bacillus megaterium	Gram-negative, -positive bacteria inhibitor	Bacimethrin	
Streptomyces albus	Thiamine antagonist	Bacimethrin	
Bacillus megaterium ATCC 19213	Siderophore	Schizokinen A	83948-77-0
Bacillus megaterium in presence of Ansatrienin	Antitumor	Antibiotic T 23VI	98166-62-2
Bacillus megaterium in presence of Ansatrienin	Antitumor	Antibiotic T 23V	98166-61-1
Bacillus megaterium, Staphylococcus aureus, Micrococcus luteus, bacteria	In the synthesis of cell-wall peptidoglycan	Peptidoglycan transglycolase	79079-04-2
Bacillus megatherium	Bacteriocins	Megacins	9010-73-5
Bacillus mesentericus	Bifidobacterium sp. growth promoter	3,3-Azetidinediol	244145-62-8
Bacillus mojavensis RO-H-1	Quorum-sensing peptide pheromone	ComX _{RO-H-1} pheromone	1010806-86-6
Bacillus natto H61	antiulcer	AUS 1	97199-21-8
Bacillus polyfermenticus SCD	Bacteriocin	Polyfermenticin SCD	344452-79-5
Bacillus polymyxa	Gram-negative, -positive bacteria inhibitor	Polymyxin T ₁	63700-39-0
Bacillus polymyxa	Gram-positive bacteria inhibitor	Tridecaptin C	67922-31-0
Bacillus polymyxa	Gram-positive bacteria inhibitor	Tridecaptin B	67922-29-6
Bacillus polymyxa	Gram-positive organism inhibitor	Tridecaptin A	
Bacillus polymyxa	Antibacterial	Polymyxin M	6683-17-6
Bacillus polymyxa	Antibacterial	Polymyxin D₂	34167-45-8
Bacillus polymyxa	Antibacterial	Polymyxin D ₁	10072-50-1
Bacillus polymyxa	Antibacterial	Polymyxin B₂	34503-87-2
Bacillus polymyxa	Antibacterial	Polymyxin B ₁	11/9/4135
Bacillus polymyxa	Antibacterial	Antibiotic BN 109	56126-57-9
Bacillus polymyxa	Antifungal	Antibiotic LI-F	
Bacillus polymyxa	Anti-gram-positive bacteria	Antibiotic LI-F	
Bacillus polymyxa var. colistinus	Gram-positive bacteria inhibitor	Gatavalin	37243-70-2
Bacillus polymyxa var. colistinus	Mycobacteria inhibitor	Gatavalin	37243-70-2
Bacillus polymyxa var. colistinus	Yeasts inhibitor	Gatavalin	37243-70-2
Bacillus polymyxa var. colistinus	Molds inhibitor	Gatavalin	37243-70-2
Bacillus polymyxa var. colistinus	Antibacterial intestinally	Polymyxin E	1066-17-7
Bacillus polymyxa var. colistinus	Gram-negative, -positive bacteria inhibitor	Jolipeptin	12688-25-4
Bacillus pulvifaciens	Gram-negative, -positive bacteria inhibitor	Galantin I	78330-65-1
Bacillus pulvifaciens	Fast bacteria inhibitor	Galantin I	78330-65-1
Bacillus pumilus	Gram-negative, -positive bacteria inhibitor	Antibiotic AI 77A	77674-98-7
Bacillus pumilus	Antitumor	Antibiotic AI 77A	77674-98-7
Bacillus pumilus	Stress ulcer inhibitor	Antibiotic AI 77A	77674-98-7

Bacillus pumilus	Antiinflammatory	Antibiotic AI 77A	77674-98-7
Bacillus pumilus	Anticholesterolemic	Antibiotic AI 77A	77674-98-7
Bacillus pumilus	Gram-positive bacteria inhibitor	Antibiotic 339-29	61230-31-7
Bacillus pumilus	Antibacterial	Amicoumacin C	77682-31-6
Bacillus pumilus	Antiinflammatory	Amicoumacin C	77682-31-6
Bacillus pumilus	Antibacterial	Amicoumacin A	78654-44-1
Bacillus pumilus	Antiinflammatory	Amicoumacin A	78654-44-1
Bacillus pumilus	Antiulcer	Amicoumacin A	78654-44-1
Bacillus pumilus	Acaricide	Amicoumacin A	78654-44-1
Bacillus pumilus	Inhibitor of <i>Candida albicans</i>	Antibiotic OM 001	129772-74-3
Bacillus pumilus	Antibiotic weaker than Amicoumacin β	Antibiotic AI 77C	77675-00-4
Bacillus pumilus	Antibiotic peptide (broad spectrum in vitro)	Micrococcin P ₁	67401-56-3
Bacillus pumilus	Gastroprotective	Antibiotic AI 77D	77675-01-5
Bacillus pumilus	Antiulcer	Antibiotic AI 77D	77675-01-5
Bacillus pumilus, Bacillus circulans	Gram-positive bacteria inhibitor	3,3'-Neotrehalosadamine	104196-14-7
Bacillus pumilus	weak Antibacterial	Amicoumacin B	82768-33-0
Bacillus pumilus	weak Antibacterial	Antibiotic AI 77F	77675-02-6
Sponges Dendrilla sp., Alternaria tenuis	Antiulcer	Amicoumacin B	82768-33-0
Dendrilla sp., Alternaria tenuis	Antiulcer	Antibiotic AI 77F	77675-02-6
Streptomyces cyanoflavus	Increases respiration of living cells	Pyocyanine	85-66-5
Bacillus pyocyaneus, Pseudomonas aeruginosa	Anti-gram-positive, -negative bacteria	Pyocyanine	85-66-5
Bacillus roseus fluorescens	Siderophore	Proferrorosamine B	21045-59-0
Bacillus SP M14	Antibiotic	Datemycin	
Bacillus sp.	Antifungal	Antibiotic 61-26	55762-77-1
Bacillus sp.	Anti-gram-positve bacteria	Antibiotic 61-26	55762-77-1
Bacillus sp.	Yeasts inhibitor	Antibiotic 61-26	55762-77-1
Bacillus sp.	Antibacterial	Colisan	
Bacillus sp.	Spasmolytic	Colisan	
Bacillus sp.	Antibacterials	Loloatins	
Bacillus sp.	Antifungal	Bacillomycin P	
Bacillus sp.	Antitumor	Antibiotic PM 94128	182292-49-5
Bacillus sp.	Cytotoxic	2,7-Dimethyl-5,10-[2]butenophenazine-11,14-dione	945539-89-9
Bacillus sp.	Cytotoxic	Mixirin C	
Bacillus sp.	Cytotoxic	Mixirin B	
Bacillus sp.	Cytotoxic	Mixirin A	
Bacillus sp.	Antibacterial	Antibiotic 4205	
Bacillus sp.	Cytotoxic	Antibiotic 4205	
Bacillus sp.	Apolipoprotein E secretion stimulator	Isohalobacillin B	173928-66-0
Bacillus sp.	Hyperlipidaemic possibly	Antibiotic N 4909	173928-66-0

Bacillus sp.	Apolipoprotein E secretion stimulator	Isohalobacillin B	173928-66-0
Bacillus sp.	Hyperlipidaemic possibly	Antibiotic N 4910	173928-66-0
Bacillus sp.	Acyl-CoA/cholesterol acyltransferase inhibitor	Isohalobacillin B	173928-66-0
Bacillus sp., a marine Bacillus laterosporus	Antifungal	Basiliskamide A	170034-41-0
Bacillus sp.	Antiviral	O-Methylsattazolin	168916-24-3
Bacillus sp.	Antiviral	Sattazolin (+)	169272-85-9
Bacillus sp.	Antiviral	2-Hydroxy-5-methyl-1-phenyl-3-hexanone (+)	169272-84-8
Bacillus sp.	Antiviral	Guaymasone	169176-73-2
B-60. tissue culture of human uterine cells	Cytotoxic	Guaymasone	169176-73-2
Bacillus sp.	Cytotoxic	Halobacillin	158204-41-2
Bacillus sp.	Antibacterial	Antibiotic AM 157	69598-70-5
Bacillus sp.	Antibacterial	Antibiotic HC 62	227620-11-3
Bacillus sp.	Helicobacter pylori inhibitor	Pyloricidin B	
Bacillus sp.	Antibacterial	Pyloricidin B	
Bacillus sp.	Gram-positive bacteria inhibitor	Mersacidin	128104-18-7
Bacillus sp.	Autoinducing peptide	Mersacidin	128104-18-7
Bacillus sp.	Gram-negative, -positive bacteria inhibitor	Octapeptin D	74244-87-4
Bacillus sp.	Antifungal	Antibiotic KT 6291	
Bacillus sp.	Antibacterial	Antibiotic KT 6291	
Bacillus sp.	Antifungals	Antibiotic KBS	
Bacillus sp.	Aromatase inhibitor	Antibiotic FR 901537	161162-21-6
Bacillus sp.	Antitumor	Antibiotic FR 901537	161162-21-6
Bacillus sp.	Antibacterial	Macrolactin M	200625-26-9
Bacillus sp.	Phospholipase A2 inhibitor	Daitocidin	
Bacillus pumilus	Antiviral	Daitocidin	
Bacillus sp.	Weak Antibacterial	Antibiotic SQ 26157	83112-05-4
Bacillus sp. SNA-60-367	Aromatase inhibitor	SNA 60-367	
Bacillus sp., Bacillus endophyticus	Algicide	Microbiaeratinin	637344-98-0
Microbispora aerata, Thermoactinomyces sp.	Anti-Cochlodinium polykrikoides	Bacillamide A	637344-98-0
Bacillus sp.	Antifungal	Trihexocin	164003-55-8
Bacillus sp.	Antibacterial	Antibiotic Y 02039H	90599-61-4
Bacillus sp.	Gram-negative, -positive bacteria inhibitor	Antibiotic Y 05460MA	126262-07-5
Bacillus sp.	Antitumor	Antibiotic Y 05460MA	126262-07-5
Bacillus sp.	Antiulcer	Antibiotic Y 05460MA	126262-07-5
Bacillus sp.	Antifungal	Antibiotic YM 47522	171964-61-7
Bacillus sp., Micrococcus, Candida, spp.	Gram-positive bacteria inhibitor	Pulcherriminic acid	957-86-8
Bacillus sp., Sarcina phospholipids	β -Lactamase inhibitor	12-Methyltetradecanoic acid (S)	5746-58-7
Bacillus stearothermophilus	Bacteriocins	Thermocins	

Bacillus stearothermophilus	Cytotoxic	Bis(2-hydroxyhexyl) trisulfide	
Bacillus stearothermophilus	Immunopotentiator	Bis(2-hydroxy-4-phenylbutyl) trisulfide	
Bacillus stearothermophilus	Immunopotentiator	a,a'-Bis(phenylmethyl)-2,2'-trithiobisethanol	
Bacillus subtilis	Antifungi	Iturin A _L	88528-44-3
Bacillus subtilis	Yeasts inhibitor	Iturin A _L	88528-44-3
Bacillus subtilis	Mycobacteria	Heptomycin A	59234-11-6
Bacillus subtilis	Gram-positive bacteria inhibitor	Antibiotic A 3302A	59234-11-6
Bacillus subtilis	Gram-positive bacteria inhibitor	Kristenin	80449-89-4
Bacillus subtilis	Gram-positive organism inhibitor	Subsporin C	12628-97-6
Bacillus subtilis	Gram-positive organism inhibitor	Subsporin A	12628-96-5
Bacillus subtilis	Anti-pathogenic bacteria	Fluvomycin	
Bacillus subtilis	Antifungi	Fluvomycin	
Bacillus subtilis	Anti-phytopathogenic fungi	Botryticidin A	79805-21-3
Bacillus subtilis	Anti-phytopathogenic fungi	Bacillomycin F	81689-97-6
Bacillus subtilis	Yeasts inhibitor	Bacillomycin F	81689-97-6
Bacillus subtilis	Antibacterial	Endosubtilysin	
Bacillus subtilis	Antibacterial	Difficidin	95152-88-8
Bacillus subtilis	Antibacterial	Oxydifficidin	95152-89-9
Bacillus subtilis	Antibacterial	Antibiotic BSA	58916-93-1
Bacillus subtilis	Antibacterial	Antibiotic AB 1	61970-09-0
Bacillus subtilis	Antifungal	Antibiotic AB 1	61970-09-0
Bacillus subtilis	Antibiotic	Rhizobacillin	
Bacillus subtilis	Antifungal	Rhizoctin	
Bacillus subtilis	Antifungal	Iturin E	108956-23-6
Bacillus subtilis	Antifungal	Iturin D	108956-22-5
Bacillus subtilis	Antifungal	Chlorotetaine	117985-03-2
Bacillus subtilis	Antifungal	Bacillopeptin	
Bacillus subtilis	Antifungal	Bacillomycin L _C	
Bacillus subtilis	Antifungal	Bacillomycin F _c	115088-47-6
Bacillus subtilis	Antifungal	Bacillomycin F _b	115088-48-7
Bacillus subtilis	Antifungal	Antibiotic P 4	112771-28-5
Bacillus subtilis	Antifungal	Antibiotic P 2	112024-31-4
Bacillus subtilis	Antifungal	Antibiotic P 19	112771-29-6
Bacillus subtilis	Antifungal	Antibiotic β 456	
Bacillus subtilis	Antifungal	Mycobacillin	18524-67-9
Bacillus subtilis	Yeasts inhibitor	Mycobacillin	18524-67-9
Bacillus subtilis	Anti-phytotoxic fungi	Mycobacillin	18524-67-9
Bacillus subtilis	Bacteriocin	Subtilosin A	98914-01-3
Bacillus subtilis	Anti-some gram-positive bacteria	Subtilosin A	98914-01-3
Bacillus subtilis	Biochemistry studied extensively	2-Aminoadenine	1904-98-9
Bacillus subtilis	Endothelin antagonist	Antibiotic BK 101	

Bacillus subtilis	Inhibits plant pathogenic fungi	Albolutein	75036-97-4
Bacillus subtilis	LAantibiotic	Ericin S	
Bacillus subtilis	Minor Aantibiotic	Ericin A	
Bacillus subtilis	Antimicrobial similar to Streptothricin F	N ⁵ -Methylstreptothricin F	99237-10-2
Bacillus subtilis	Sporastatic	Subtilin	1393-38-0
Bacillus subtilis	Antifungi strongly	Mycosubtilin	1392-60-5
Bacillus subtilis	Yeasts inhibitor	Mycosubtilin	1392-60-5
Bacillus subtilis	Interaction with the cytoplasmic membrane	Mycosubtilin	1392-60-5
Bacillus subtilis	Surface-active	Surfactin	
Bacillus natto	Fibrinolytic	Surfactin	
Bacillus subtilis	Antiinflammatory	Surfactin	
Bacillus natto	Anticoagulant	Surfactin	
Bacillus subtilis 10-VIZR	Bacteriocin	Alirin B ₁	189398-33-2
Bacillus subtilis 168	Antimicrobial	Sublancin 168	207410-26-2
Bacillus subtilis A14	Anti-Mycobacterium phlei	Bacilipin	
Bacillus subtilis, an arctic marine bacterium	Bactericidal	Tetramethylpyrazine	1124-11-4
Galbanum oil. Ligusticum chuanxiong, Ligusticum wallichii	Antiinflammatory	Chuanxiongzine	1124-11-4
Bacillus subtilis	Antifungi	Iturin A	52229-90-0
Bacillus amyloliquefaciens	Yeasts inhibitor	Iturin A	52229-90-0
Bacillus subtilis	Cytoplasmic membrane interaction	Bacillomycin B	52229-90-0
Bacillus amyloliquefaciens	Surface-active	Eumycin	52229-90-0
Bacillus subtilis	Inhibits prokaryotic protein synthesis	Bacillaene	160674-34-0
Bacillus amyloliquefaciens	Antibacterial	Bacillaene	160674-34-0
Bacillus subtilis	cytolytic	Surfactin; Surfactin C ₁	24730-31-2
Bacillus natto	Surface active	Surfactin; Surfactin C ₁	24730-31-2
Bacillus subtilis	Potent clotting inhibitor	Surfactin; Surfactin C ₁	24730-31-2
Bacillus subtilis, Bacillus pumilus	Gram-negative, -positive bacteria inhibitor	Bacilysin	29393-20-2
Bacillus subtilis, Bacillus pumilus	Antimicrobial	Subtenolin	
Bacillus subtilis	Inhibitor of peptide deformylase	Macrolactin N	912262-58-9
Bacillus subtilis, Corynebacterium glutamicum	Siderophore	Corynebactin	95536-41-7
Bacillus subtilis	Antimicrobial	Bacillus Antibacterial factor	
Bacillus subtilis	antiulcer	Gastric ulcer inhibitory substance	
Bacillus subtilis	Lysozyme enzyme inhibitor	Hen egg-white lysozyme inhibitor	
Bacillus subtilis	Antibacterial	Gallerin	60675-54-9
Bacillus subtilis	Antifungal	Bacillus subtilis KMM 457 Peptide 1	
Bacillus subtilis manilospora	Antifungal	Manilosporin	71950-20-4
Bacillus subtilis manilospora	Anti-gram-positive bacteria	Manilosporin	71950-20-4

Bacillus subtilis morphotype globigii	Antibiotic	Globicin	
Bacillus subtilis RO-E-2	Quorum-sensing peptide pheromone	ComX _{RO-E-2} pheromone	863658-74-6
Bacillus subtilis sp. 1005	Antifungal	Mycosubtilin C	129876-27-3
Bacillus subtilis sp. 1005	Antifungal	Mycosubtilin B	129876-26-2
Bacillus subtilis sp. 3-16-20	Dipeptidyl carboxypeptidase inhibitor	Glycylprolylphenylalanylprolyl isoleucine	107787-28-0
Bacillus subtilis sp. 480HS20	Weak Antifungal	Antibiotic 480HS ₂₀	81138-40-1
Bacillus subtilis sp. A67	Antifungal	Toximycin	
Bacillus subtilis sp. AJ1316	Antifungal	Antibiotic 1316B	
Bacillus subtilis sp. ATCC 15549	Antifungal	Polcillin	
Bacillus subtilis sp. B7	Antifungal	Antibiotic B7	
Bacillus subtilis sp. F-29-3	Filamentous fungi inhibitor	Fengycin	102577-03-7
Bacillus subtilis strain	Antifungal	Bacillomycin S	65802-93-9
Bacillus subtilis strain	Antifungal	Bacillomycin L	64052-26-2
Bacillus subtilis strain	Antifungal	Bacillomycin D	76012-17-4
Bacillus subtilis strain AQ713	Antifungal	Agrastatins	
Bacillus subtilis strain AQ713	Anti-many plant pathogens	Agrastatins	
Bacillus subtilis strain KMM 457	Antifungal	Bacillus subtilis KMM 457 Peptide 2	
Bacillus subtilis TG26	Antifungal	Antibiotic LP 1	263708-44-7
Bacillus subtilis var. antiblasti	Antifungal	Bacillocin	
Escherichia coli, Saccharomyces cerevisiae,	Cellular function activator	Inosine	58-63-9
Bacillus subtilis, Fusarium spp.	Cardiotonic	Inosine	58-63-9
Meat extracts, sugar beet. Microorganisms.	Base pairs formation with Adenine	Inosine	58-63-9
Bacillus thuriengiensis ssp. thuriengiensis	Antitumor	Oncotoxin	
Bacillus thuringiensis	Bacteriocin	Thuricin	37311-35-6
Bacillus thuringiensis B439	Bacteriocin	Thuricin; Thuricin 439	
Bacillus thuringiensis BMG 1.7	Bacteriocin	Thuricin; Thuricin 7	341523-18-0
Bacillus thuringiensis during sporulation	Insecticide	Bacillus thuringiensis d-Endotoxins	
Bacillus thuringiensis kurstaki BUPM4	Bacteriocin	Bacthuricin F4	
Bacillus thuringiensis ssp. entomocidus HD9	Bacteriocin	Entomocin 9	666841-90-3
Bacillus thuringiensis ssp. jegathesan	Mosquitocidal	Jegathesan	177074-64-5
Bacillus thuringiensis ssp. kurstaki HD-1	Antifungals	Kurstakin	
Bacillus thuringiensis strain A1470	Cytotoxic	Cry45Aa	
Bacillus thuringiensis tochiensis	Bacteriocin	Tochicin	201426-70-2
Bacillus thuringiensis var. gelechiae	Cytotoxic	Anhydrothuringiensin	62512-16-7
Backhousia myrtifolia, Diplolophium buehneri, Libanotis transcaucasica, nutmeg.	Potent hypnotic	Isolemicin	5273-85-8
Bacteria, fungi	Antibacterial	Dipicolinic acid	499-83-2
Verticillium, Pseudomonas spp.	Mycotoxic	Dipicolinic acid	499-83-2

Penicillium, Bacillus spp.	Insecticidal	2,6-Pyridinedicarboxylic acid	499-83-2
Bacterionema matruchotii	Anti-various oral bacteria	Matrucin	
Bacteroides fragilis marmoset Callithrix penicillata	Bacteriocin	Fragilicin	158191-38-9
Bacteroides fragilis vulgaris	Bacteriocin	Bacteriocin I1	
Bacteroides melaninogenicus	Bacteriocin	Melaninocin	76930-38-6
Baechu kimchi	Stable hydrophilic vitamin C derivative	Ascorbic acid 2- α -D-glucoside	129499-78-1
Baechu kimchi	Skin Antioxidant	Ascorbic acid 2- α -D-glucoside	129499-78-1
Baechu kimchi	Additive in commercial cosmetics	Ascorbic acid 2- α -D-glucoside	129499-78-1
Baekkea frutescens	Cytotoxic	BF 4 (12-Epimer)	
Baekkea frutescens (Myrtaceae)	Cytotoxic	BF 2	173867-32-8
Baeospora myosura	Antibacterial	4-[(2-Nonene-4,6,8-triynoyl)amino]benzoic acid	
Bag cells of marine mollusc Aplysia californica	Released during egg-laying	<i>Aplysia californica</i> e-Bag cell peptide	109024-45-5
Baileya multiradiata	Cytotoxic	Multiradiatin	58262-52-5
Baileya multiradiata	Antineoplastic	Multiradiatin	58262-52-5
Baileya multiradiata, Baileya pleniradiata	Antineoplastic	Radiatin	25873-31-8
Baileya pauciradiata, Hymenoxys rusbyi	Antineoplastic	Paucin	26836-43-1
Balanites aegyptiaca (soapberry tree)	Molluscicide	Balanitin 2	79975-20-5
Balanites aegyptiaca (soapberry tree)	Molluscicide	Balanitin 3	82358-27-8
Balanites aegyptiaca (soapberry tree)	Molluscicide	Balanitin 1	79975-21-6
Balanophora polyandra	Antioxidant	Balapolyphorin A	931426-09-4
Balantiopsis cancellata	Insect Antifeedant	1-Phenyl-1,2-ethanediol (R), 2-Benzoyl	289625-33-8
Balantiopsis cancellata	Antifungal	1-Phenyl-1,2-ethanediol (R), 2-Benzoyl	289625-33-8
Balduina angustifolia, Arnica spp., Arnica montana	Antineoplastic	Angustibalin	10180-86-6
Ballota hispanica, Ballota saxatilis	Antimicrobial with wide spectrum	Hispanolone	18676-07-8
Ballota nigra, Ballota saxatilis	Antimicrobial with wide spectrum	Ballonigrin	62340-62-9
Banana fruits (Musa paradisiaca)	Cell differentiation inhibitor	Sitoindoside II	53657-29-7
Dirca occidentalis	Antiulcerogenic	β-Sitosterol 6-oleoylglucoside	53657-29-7
Banana, ginger, Brazil nut, attar of rose, clove oil, coconut oil, passionflower, sorghum, asparagus, tomato, corn, wine, cheese, beer, blackcurrant buds, melon, strawberry jam flavoring ingredient. Alarm pheromone in ants, hornets, honeybees. temporal gland secretions of Asian elephant	Bactericidal weakly	2-Nonanone	821-55-6
Baptisia australis, Euchresta japonica, Ononis arvensis, Ononis spinosa, Sophora flavescens, Sophora subprostrata, Thermopsis fabacea, Trifolium hybridum,	Antifungal	Trifolirhizin	6807-83-6

Trifolium pratense (red clover)			
Baptisia spp., Iris spp.	Antiinflammatory	Tectorigenin 7-glucoside	611-40-5
Belamcanda chinensis, Dalbergia spp.	Hypoglycaemic	Tectoridin	611-40-5
Pueraria montana	Cytotoxic	Shekanin	611-40-5
Baptisia spp.	Hypotensive	3',4',5,7-Tetrahydroxyisoflavone	480-23-9
Bolusanthus speciosus	DOPA decarboxylase inhibitor	Isoluteolin	480-23-9
Cytisus scoparius, Lathyrus spp.	Histidine inhibitor	Orobol	480-23-9
Thermopsis spp.	Decarboxylase inhibitor	Norsantal	480-23-9
Aspergillus niger	Phosphatidylinositol kinase inhibitor	Isoluteolin	480-23-9
Fusarium, Stemphylium spp.	Tyrosine kinase inhibitor	Orobol	480-23-9
Streptomyces spp., Tritirachium sp.	15-lipoxygenase inhibitor	Norsantal	480-23-9
Baptisia spp.	Antiinflammatory	4',5,7-Trihydroxy-6-methoxyisoflavone	548-77-6
Centrosema spp.	hypoglycaemic	Tectorigenin	548-77-6
Dalbergia spp.	Cytotoxic	4',5,7-Trihydroxy-6-methoxyisoflavone	548-77-6
Ononis spinosa	Calmodulin antagonist	Tectorigenin	548-77-6
Iris germanica	inhibitor of phosphatidylinositol turnover	4',5,7-Trihydroxy-6-methoxyisoflavone	548-77-6
Baptisia spp., Cladrastis spp., Dalbergia spp., Maackia amurensis, Pisum sativum (pea), Pterocarpus erinaceus, Trifolium hybridum, Trifolium pratense (red clover)	Antigiardial	Pseudobaptigenin	90-29-9
Barleria siamensis	Antimicrobial	Sankaranin	
Barleria cristata, Barleria lupulina	Immunostimulant	Sankaranin	
barnacles (Balanus balanus)	Increases body muscular in barnacles	Barnacle muscle stimulatory factor	886847-35-4
Barringtonia acutangula, Aesculus hippocastanum, Thea sinensis, Dodonaea viscosa, Styra japonica	Fish poison	Barringtogenol C	13844-01-4
Bartalinia sp.	Inducible cell adhesion molecular expression inhibitor	Pestahivin	165754-55-2
Pestalotiopsis sp.	For chronic inflammatory disorders	Pestahivin	165754-55-2
Bartramia pomiformis	Antimicrobial	Bartramiaflavone	
Basidiobolus meristosporus	Antimicrobial broad spectrum	Antibiotic MK 3990	136509-32-5
Calvatia lilacina	Antibacterial	Calvatic acid	54723-08-9
Calvatia lilacina, Calvatia craniformis	Antifungal	Calvatic acid	54723-08-9
Langermannia gigantea	Antibiotic	Calvatic acid	54723-08-9
Lycoperdon pyriforme	Antitumor	4-Carboxyphenylazoxy cyanide	54723-08-9
Cortinaris abnormis, Phellinus igniarius, Phellinus pomaceus, Inonotus hispidus, Polyporus hispidus	Immunomodulator	6-[2-(3,4-Dihydroxyphenyl)ethenyl]-4-hydroxy-2H-pyran-2-one (E)	

Phaseolus schweinitzii, Fraxinus spp., Quercus spp.	Protein kinase C inhibitor	6-[2-(3,4-Dihydroxyphenyl)ethenyl]-4-hydroxy-2H-pyran-2-one (E)	
Basipetospora sp., Dichotomomyces albus	Potent inhibitor of prostaglandin biosynthesis	4-[2,3-Diisocyano-4-(4-methoxyphenyl)-1,3-butadienyl]phenol	19559-24-1
Dichotomomyces cejpai	Anti-some gram-positive, -negative bacteria	Xanthocillin X; Mono-Me ether	19559-24-1
Batzella sp.	Cytotoxic	Discorhabdin T	649761-80-8
Batzella sp.	Cytotoxic	Discorhabdin S	649761-79-5
Batzella sp.	Cytotoxic	Discorhabdin U	649761-81-9
Batzella sp.	Cytotoxic	Discorhabdin P	219566-63-9
Batzella sp.	Cytotoxic	30-Epibatzelladine D	147664-20-8
Batzella sp.	Cytotoxic	Isobatzelline A	133401-01-1
Batzella sp.	Cytotoxic	Isobatzelline B	133401-02-2
Batzella sp.	Cytotoxic	Isobatzelline D	133401-04-4
Batzella sp.	Antifungal moderately	Isobatzelline A	133401-01-1
Batzella sp.	Antifungal moderately	Isobatzelline B	133401-02-2
Batzella sp.	Antifungal moderately	Isobatzelline D	133401-04-4
Batzella sp.	Herbicide	Batzelline B	123064-90-4
Batzella sp.	Immunosuppressant	Batzelladine G	188112-84-7
Batzella sp.	HIVgp-120-human CD4 binding inhibitor	Batzelladine B	161503-23-7
Batzella sp.	Interleukin binding inhibitor	Batzelladine B	161503-23-7
Batzella sp.	Inhibits the binding of HIVgp-120 to CD4	Batzelladine A	147664-18-4
Batzella sp.	Protein kinase C inhibitor	Batzelladine E	161503-25-9
Batzella sp.	Interleukin binding inhibitor	Batzelladine E	161503-25-9
Batzella sp., Monanchora unguifera	Antiplasmodial	1,3 α -Didehydro-8-hydroxyptilocaulin	191353-14-7
Batzella sp., Zyzzya massalis	Herbicide	Batzelline C	123064-91-5
Batzella sp., Zyzzya massalis	Cytotoxic	Isobatzelline C	133401-03-3
Zyzzya fuliginosa	Antifungal moderately	Isobatzelline C	133401-03-3
Bauhinia malabarica	Antimalarial moderately	Preracemosol B	326605-14-5
Bauhinia malabarica	Antimalarial moderately	Preracemosol A	326605-13-4
Bauhinia manca	Antimicrobial	Methyl 3,4-dihydroxybenzoate	2150-43-8
Bauhinia purpurea	Antineoplastic	Bauhiniastatin 1	
Bauhinia purpurea, Bauhinia racemosa	Antineoplastic	Pacharin	95263-67-5
Bauhinia racemosa	COX inhibitor	Racemosol	103805-86-3
Bauhinia racemosa	Cytotoxic	De-O-methylracemosol	136014-42-1
Bauhinia rufescens	Antimalarial	De-O-methylracemosol	136014-42-1
Bauhinia racemosa	COX inhibitor	De-O-methylracemosol	136014-42-1
Bauhinia saccocalyx	Antimycobacterial	Bauhinoxepin B	
Bauhinia saccocalyx	Antimycobacterial	Bauhinoxepin A	
Bauhinia saccocalyx	COX inhibitor	Bauhinol A	848131-99-7

Bauhinia saccocalyx	COX inhibitor	Bauhinol B	848132-01-4
Bauhinia saccocalyx	Cytotoxic	Bauhinol B	848132-01-4
Bauhinia tarapotensis	Antioxidant	4-O-trans-Caffeoylapionic acid	
Bauhinia variegata, leaves of Bauhinia purpurea	Metabolism intermediate	Phosphoenolpyruvic acid	138-08-9
Bdelloura candida	Neuropeptide	YIRF amide	180048-91-3
Bear bile	Cholagogic used for dissolution of gallstones	Ursodeoxycholic acid	128-13-2
Beaumontia grandiflora	Cardiotonic	Beaumontoside	31087-87-3
Beaumontia grandiflora, Beaumontia breviflora	Cardiotonic	Wallichoside	31087-88-4
Beauveria bassiana	Antimicrobial	Bassianolone	
Beauveria bassiana	Insecticide	Beauvericins; Beauvericin B	165467-51-6
Beauveria bassiana	Larvicide	Beauvericins; Beauvericin B	165467-51-6
Beauveria bassiana	Platelet aggregation inhibitor	Bassiatin	173008-70-3
Beauveria bassiana	Insecticide	Beauvericins; Beauvericin A	165467-50-5
Paecilomyces tenuipes	Larvicide	Beauvericins; Beauvericin A	165467-50-5
Beauveria bassiana	Antimycobacterial	Beauvericins; Beauvericin A	165467-50-5
Paecilomyces tenuipes	Antiplasmodial	Beauvericins; Beauvericin A	165467-50-5
Beauveria bassiana	Insecticidal	Bassianolide	64763-82-2
Verticillium lecanii	Cytotoxic	Bassianolide	64763-82-2
Beauveria bassiana	Antifungal	Beauvericins; Beauvericin	26048-05-5
Paecilomyces fumoso-roseus	Larvicide	Beauvericins; Beauvericin	26048-05-5
Polyporus sulphureus	Induces apoptosis via elevation of cytoplasmic Ca	Beauvericins; Beauvericin	26048-05-5
Fusarium semitectum	Antimycobacterial	Beauvericins; Beauvericin	26048-05-5
Fusarium proliferatum	antiplasmodial	Beauvericins; Beauvericin	26048-05-5
Component of Bai Jiang Yang	Cytotoxic	Beauvericins; Beauvericin	26048-05-5
Fusarium sp.	ionophoric	Beauvericins; Beauvericin	26048-05-5
Beauveria bassiana	cholesterol acyltransferase inhibitor	Beauvericins; Beauvericin	26048-05-5
Paecilomyces fumoso-roseus	Antihyperlipemic	Beauvericins; Beauvericin	26048-05-5
Polyporus sulphureus	anticholesterolemic	Beauvericins; Beauvericin	26048-05-5
Fusarium semitectum	Plateletaggregation inhibitor	Beauvericins; Beauvericin	26048-05-5
Beauveria bassiana	Nematocide	Beauvericins; Beauvericin	26048-05-5
Paecilomyces fumoso-roseus	Mycotoxin	Beauvericins; Beauvericin	26048-05-5
Beauveria felina	Gram-positive bacteria inhibitor	Oxirapentyne	88205-90-7
Beauveria felina QN22047	Inhibitor of Geranylgeranyl diphosphate synthase	Gerfelin	
Beauveria sp.	Lipid droplet formation specifically in mouse microphages	Beauveriolide I	154491-55-1
Beauveria sp.	Insecticide	Beauveriolide I	154491-55-1
Beauveria sp. FO-6979	Acyl CoA cholesterol transferase inhibitor	Beauveriolide III	221111-70-2
Beauveria sp. M6124	Thromboxane A ₂ formation inhibitor	Antibiotic M 6124	146671-31-0

Beauveria tenella	Insecticide	Beauverolide L	154491-56-2
Paecilomyces fumosoroseus	Immunomodulator	Beauveriolide II	154491-56-2
Becium grandiflorum	Antimycobacterial	Isothymusin	98755-25-0
Limnophila geoffrayi	Antioxidant	4',5,8-Trihydroxy-6,7-dimethoxyflavone	98755-25-0
Beef, oakmoss oleoresin, Othonna spp., beetles Adelum percatum, Adelum postulosum., flour beetle Tribolium confusum	Antineoplastic	1-Pentadecene	13360-61-7
Beilschmiedia elliptica, Cassytha pubescens, Monodora tenuifolia, Litsea xylanica, Zizyphus jujuba, Nectandra rigida, Monanthotaxis cauliflora	Antifungal	Norisoboldine	23599-69-1
Beilschmiedia tsangii, Ficus microcarpa	Cytotoxic	α -Tocospiro B	601490-41-9
Belamcanda chinensis, Iris foetidissima	Ichthyotoxin	26-Hydroxy-15-methylidenespiroirid-16-enal	128022-74-2
Belamcanda chinensis, Iris japonica	tumour-promoting	Belamcandal	
Beneckea harveyi	Bacteriocin	Harveyicin	
Berberis spp., Berberis vulgaris (barberry), Thalictrum polygamum, Fibraurea chloroleuca	Gram-positive bacteria inhibitor	Berberrubine	17388-19-1
Berberis, Mahonia spp.	Antibacterial	Oxyacanthine	548-40-3
Albertisia papuana	Antitubercular	Oxyacanthine	548-40-3
Cocculus laebe	Antineoplastic	Oxyacanthine	548-40-3
Magnolia compressa	Symphatholytic	Oxyacanthine	548-40-3
Thalictrum lucidum	Adrenaline antagonist	Oxyacanthine	548-40-3
Xanthorhiza simplicissima	Vasodilator	Oxyacanthine	548-40-3
Berberis tschonoskyana, Stephania japonica, Thalictrum lucidum, Thalictrum rugosum	Antibacterial	Obamegine	479-37-8
Xanthorhiza simplicissima, Mahonia repens, Triclisia gillettii	Antineoplastic	Stepholine	479-37-8
Berberis valdiviana	Antiplasmodial selectively	Temuconine	18210-69-0
Berchemia pakistanica	Inhibitor of α-glucosidase	Pakistolide A	
Berchemia pakistanica	Lipoxygenase inhibitor	Pakistolide A	
Berchemia pakistanica	Antioxidant	Pakistolide A	
Berchemia pakistanica	Lipoxygenase inhibitor	Berchemin A	
Berchemia pakistanica	α-glucosidase inhibitor	Berchemin A	
Berkheya spp.	Cytotoxic	5-(3,4-Diacetoxy-1-butynyl)-2,2'-bithiophene	1233-95-0
Dyssodia spp.	Photoenhanced against various organisms	α -Terthienyl	1081-34-1
Echinops spp.	Nematode	α -Terthienyl	1081-34-1
Flaveria spp.	Phytotoxic acting by generation of singlet oxygen	α -Terthienyl	1081-34-1
Porophyllum spp.	Insecticidal	α -Terthienyl	1081-34-1
Tagetes spp.	Nematocidal	α -Terthienyl	1081-34-1
Tagetes spp.	Anti-HIV	α -Terthienyl	1081-34-1

Bersama abyssinica	Antineoplastic	Bersamagenin 1,3,5-orthoacetate	35454-25-2
Bersama abyssinica, Urginea altissima	Antineoplastic	Scilliglaucosidin	510-62-3
Beta vulgaris infected with Rhizoctonia solani	Phytoalexin	Betavulgarin glucoside	160485-41-6
Beta vulgaris infected with Cercospora beticola	Antifungal	AX Peptides	
Sugar beet infected with Cercospora beticola	Phytoalexin	Betagarin	60132-69-6
Beta vulgaris var. rubra	Intermediate in biosynthesis of Betanidin	Cyclodopa glucoside	71242-23-4
Betula platyphylla	Cytotoxic	Betulafolienetriol oxide I	19942-05-3
Betula platyphylla var. japonica	Antifungal	2-Hydroxy-5-(3-hydroxybutyl)benzaldehyde	
Betula platyphylla, Phyllostachys nigra, Phragmites communis, Annona montana	DNA strand scission	4-Hydroxy-3,5-dimethoxybenzaldehyde	134-96-3
Betula sp., coffee, Ilex pubescens, Picea maximowiczii	Antibacterial	Acetylpyrocatechol	1197-09-7
Betula spp.	Antibacterial	Betulinic acid	472-15-1
Cornus florida	Antimalarial	Betulic acid	472-15-1
Zizyphus vulgaris	Antiinflammatory	Betulinic acid	472-15-1
Arbutus menziesii	Apoptosis inducer	Betulic acid	472-15-1
Betula spp.	Antineoplastic	Betulinic acid	472-15-1
Cornus florida	Anti-malignant melanoma	Platanolic acid	472-15-1
Betula spp., leaf resin of Cistus spp.	Antipoliavirus	Ermanin	20869-95-8
Betula spp., leaf resin of Cistus spp.	Insect deterrent	5,7-Dihydroxy-3,4'-dimethoxyflavone	20869-95-8
Bidens campylotheca	Antiinflammatory	Safynol 2-isobutyrate	154326-37-1
Bidens cernua	Anti-Candida albicans	Cernuole	170384-79-9
Bidens parviflora	PGE₂ production inhibitor	Sucrose 6,6'-(4,4'-dihydroxy-β-truxinate)	
Bidens pilosa	T cell modulator	Cytopiloyne	927652-36-6
Bidens pilosa var. radiata	Antiangiogenic	5-Tridecene-7,9,11-triyn-1,2-diol (E)	
Bidens pilosa var. radiata	Apoptotic	5-Tridecene-7,9,11-triyn-1,2-diol (E)	
Bidens tripartita, Bidens spp., Dahlia variabilis, Baeria chrysostoma, Rhus cotinus, Schinopsis, Cosmos, Amphipterygium adstringens	Antioxidant	3',4',6-Trihydroxyaurone	120-05-8
Adhatoda vasica. Nitraria sibirica	bronchodilator	Vasicinone (S)	486-64-6
Biemna fortis	Neuronal differentiation inducer	9-Aminoisoascididemnin	191849-14-6
Biemna fortis	Neuronal differentiation inducer	9-Hydroxyisoascididemnin	215590-37-7
Biemna fortis	Neuronal differentiation inducer	Labuanine A	
Biemna sp.	Cytotoxic	8,9-Dihydro-11-hydroxyascididemnin	151392-04-0
Biemna sp., Biemna fortis	Cytotoxic	Biemnadin (±)	152053-10-6
Biemna sp., Biemna fortis	Neuronal differentiation inducer	Biemnadin (±)	152053-10-6
Bifidobacterium bifidum	Aantibiotic	Bifidobacterin	76900-77-1

Bifidobacterium bifidum	Bacteriocin	Bifidocin B	204402-16-4
Bifidobacterium lorgum	Antitumor	CW 5	80208-99-7
Bifurcaria bifurcata	Toxic to sea urchins	Bifurcanol	153050-23-8
Bifurcaria bifurcata	Toxic to sea urchins	Bifurcane	
Bifurcaria bifurcata, Carpesium divaricatum	Cytotoxic	Bifurcadiol	102607-48-7
Bifurcaria bifurcata	Antihypertensive	Epoxyeleganolone	75225-32-0
Cystoseira elegans	Anticontractive	Epoxyeleganolone	75225-32-0
Bile	Choleretic	Taurocholic acid	81-24-3
Bile	Hepatoprotectant	Cholytaurine	81-24-3
Bile, animal excretions	Choleretic	Cholic acid	81-25-4
Bile, animal excretions	Laxative.	Cholic acid	81-25-4
Bile, brain, egg yolk, cadavers. Cannabis sativa	Ptomaine poisons	Trimethylvinylammonium(1+) Hydroxide	463-88-7
Bile, brain, yolk of egg, hops, belladonna, strophanthus	Lipotropic	Choline	62-49-7
Lecithin. Acetylcholine precursor, glands of molluscs	Nutritional supplement	Choline	62-49-7
Biological systems . Bambusa oldhamii (green tomato)	Antiinflammatory	Allantoin (±)	5377-33-3
Allophylus edulis var edulis, Strychnos cathayensis	antipsoriatic (disputed)	Allantoin (±)	5377-33-3
Cymbastela cantharella, Tedania digitala	vulnerary topically	Allantoin (±)	5377-33-3
Cow milk, Pyrostegia venusta	wound healing promoter	Allantoin (±)	5377-33-3
Bionectria byssicola F120	Antibacterial	Verticillin G	933785-95-6
Bionectria byssicola F120	Antibacterial	Bionectin B	
Bionectria byssicola F120	Antibacterial	Bionectin A	
Bionectria byssicola F120	Anti-MRSA	Bionectin B	
Bionectria byssicola F120	Anti-MRSA	Bionectin A	