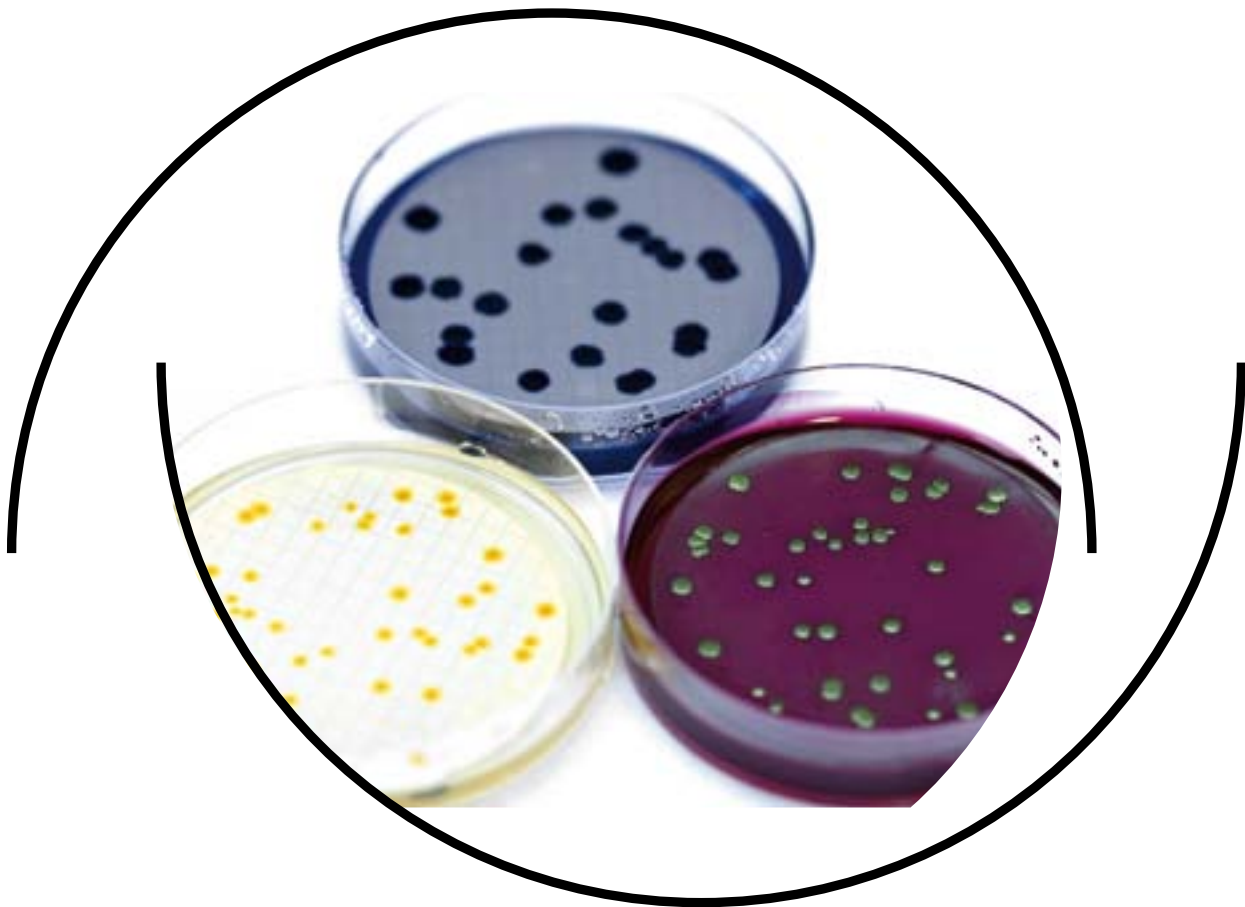




Rare Active Natural Products

Manufactured by BioViotica

Unique & Rare Antibiotics and Natural Products



www.bioviotica.com

BioViotica Naturstoffe GmbH (BioViotica) was established as a spin-off company from the University Göttingen, Germany and is dedicated to „Rare Active Natural Products“. BioViotica focuses especially on the discovery and fermentation (small-scale production in the range of grams) of rare biological active natural products from bacteria and fungus. The product portfolio is of high interest to the academic, pharmaceutical high throughput and medicinal chemistry research covering biochemistry, molecular biology and pest management. The compounds are sold as single items or as Natural Product Libraries for screening purposes.

Based on 30 years of know-how in the field of natural products, BioViotica also offers services, including:

- a) Structure determination of natural products from raw material.
- b) Optimization of microbial strains.
- c) Custom strain cultivations.



17-AAG

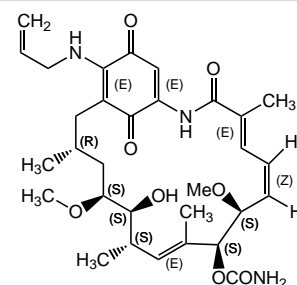
[17-(Allylamino)-17-desmethoxygeldanamycin]

BVT-0244-C100 100 µg
BVT-0244-M001 1 mg

Formula: C₃₁H₄₃N₃O₈ **MW:** 585.7 **CAS:** 75747-14-7

Semi-synthetic derivative of geldanamycin.

- Potent, less toxic analog of geldanamycin (Prod. No. BVT-0196)
- Inhibits the essential ATPase activity of HSP90
- Apoptosis inducer
- Antitumor compound



Acetomycin

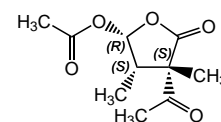
[NSC350598; 3-Acetyl-5-(acetyloxy) dihydro-3,4-dimethyl-2(3H)furanone]

BVT-0150-M001 1 mg
BVT-0150-M005 5 mg

Formula: C₁₀H₁₄O₅ **MW:** 214.2 **CAS:** 510-18-9

Isolated from *Streptomyces ramulosus*.

- Antibiotic
- Antibacterial, antifungal and antiprotozoal
- Cytotoxic



Actinomycin D

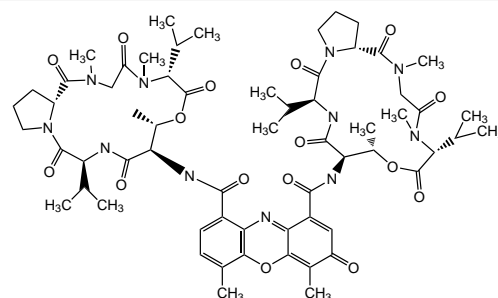
[Actinomycin IV; Actinomycin C1; Dactinomycin]

BVT-0089-M005 5 mg
BVT-0089-M025 25 mg
BVT-0089-M100 100 mg

Formula: C₆₂H₈₆N₁₂O₁₆ **MW:** 1255.5 **CAS:** 50-76-0

Isolated from *Streptomyces parvulus*.

- Antibiotic
- Antitumor compound
- Cytotoxic
- Apoptosis inducer
- RNA synthesis inhibitor
- DNA intercalating agent
- Mcl-1 expression inhibitor
- Activator of the p53 pathway



Agistatin B

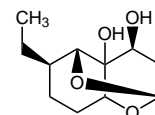
[(2R,4S,4aR,5R,6R,8aR)-6-Ethyl octahydro-2H-2,5-epoxy-chromene-4,4a-diol]

BVT-0223-M001 1 mg
BVT-0223-M005 5 mg

Formula: C₁₁H₁₈O₄ **MW:** 214.3 **CAS:** 144096-46-8

Isolated from fungus A 6239.

- Tricyclic analog of agistatin A
- Cholesterol biosynthesis inhibitor



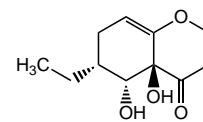
Agistatin D

[(4aS,5R,6R)-6-Ethyl-4a,5-dihydroxy-4a,5,6,7-tetrahydro-4H-chromen-4-one]

BVT-0286-M001 1 mg
BVT-0286-M005 5 mg**Formula:** C₁₁H₁₄O₄ **MW:** 210.2 **CAS:** 144096-47-9

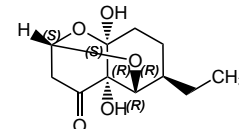
Isolated from fungus A 6239.

• Analog of agistatin A • Cholesterol biosynthesis inhibitor

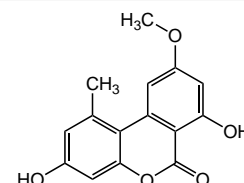
**Agistatin E**BVT-0231-M001 1 mg
BVT-0231-M005 5 mg**Formula:** C₁₁H₁₆O₅ **MW:** 228.2 **CAS:** 144096-48-0

Isolated from fungus A 6239.

• Tricyclic analog of agistatin A • Cholesterol biosynthesis inhibitor • Mycotoxin

**Alternariol monomethyl ether**

[9-O-Methylalternariol; Djalonsone; AME; BRN 0253553]

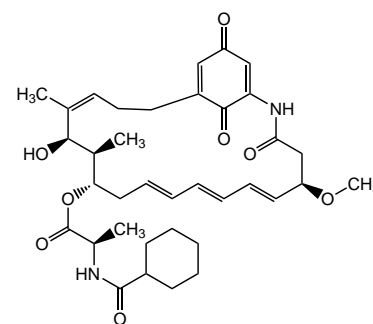
BVT-0323-C500 500 µg
BVT-0231-M001 1 mg**Formula:** C₁₅H₁₂O₅ **MW:** 272.3 **CAS:** 26894-49-5Isolated from *Alternaria* sp.• Mycotoxin • Antifungal • Phytotoxic • Shown to possess DNA strand-breaking activity • Inhibits the activity of topoisomerase II α (Topo II α) in mammalian cells**Angustmycin A see Decoyinine****Angustmycin C see Psicofuranine****Ansatrienin A**

[Mycotrienin I; Antibiotic T 231]

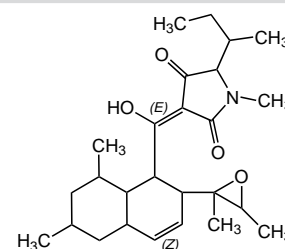
BVT-0246-M001 1 mg

Formula: C₃₆H₄₈N₂O₈ **MW:** 636.8 **CAS:** 82189-03-5Isolated from *Streptomyces collinus*.

• Antibiotic • Antitumor compound • Antifungal • Inhibits osteoclastic bone resorption

**Antibiotic PF 1052**BVT-0338-C500 500 µg
BVT-0338-M001 1 mg**Formula:** C₂₆H₃₉NO₄ **MW:** 429.6 **CAS:** 147317-15-5Isolated from *Phoma* sp.

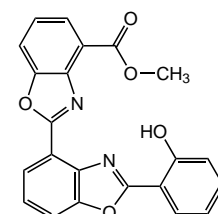
• Antibiotic • Antibacterial, antifungal and phytotoxic

**Antibiotic UK-1**

[UK1; Methyl 2'-(2-hydroxyphenyl)-[2,4'-bibenzo[d]oxazole]-4-carboxylate]

BVT-0013-C250 250 µg
BVT-0013-M001 1 mg**Formula:** C₂₂H₁₄N₂O₅ **MW:** 386.4 **CAS:** 151271-53-3Isolated from *Streptomyces* sp. K17/9.

• Antibiotic • Antifungal • Topoisomerase II (Topo II) inhibitor • Potent anticancer compound



(+)-Aphidicolin

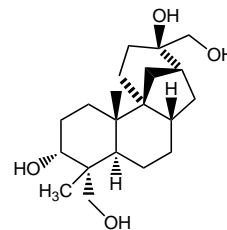
[NSC234714; BRN4689958; ICI69653]

BVT-0307-M001 1 mg
 BVT-0307-M005 5 mg
 BVT-0307-M025 25 mg

Formula: C₂₀H₃₄O₄ **MW:** 338.5 **CAS:** 38966-21-1

Isolated from *Nigrospora oryzae*.

• Antibiotic • Reversible inhibitor of eukaryotic nuclear DNA replication • Blocks the cell cycle at early S phase • Prolongs the half life of DNA methyltransferase • Specific DNA polymerase α and β inhibitor • Acts synergistically with vincristine and doxorubicin • Apoptosis inhibitor/inducer



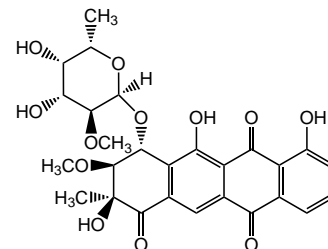
Aranciamycin

BVT-0364-C500 500 µg
 BVT-0364-M001 1 mg

Formula: C₂₇H₂₈O₁₂ **MW:** 544.5 **CAS:** 72389-06-1

Isolated from *Streptomyces echinatus*.

• Antibiotic • Similar to steffimycin • Active against Gram-positive bacteria *Clostridium histolyticum* collagenase inhibitor • Antitumor compound



(S)-(+)-Ascochin

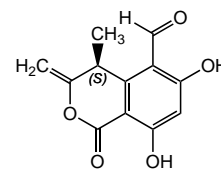
[(S)-6,8-Dihydroxy-4-methyl-3-methylene-1-oxoiso-chroman-5-carbaldehyde]

BVT-0309-M001 1 mg
 BVT-0309-M005 5 mg

Formula: C₁₂H₁₀O₅ **MW:** 234.2 **CAS:** 935699-58-4

Isolated from *Ascochyta* sp.

• Antibiotic • Antifungal and phytotoxic



Ascolactone

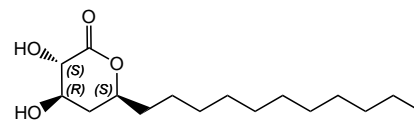
[(3S,4R,6S)-3,4-Dihydroxy-6-undecyltetrahydro-2H-pyran-2-one]

BVT-0340-C500 500 µg
 BVT-0340-M001 1 mg

Formula: C₁₆H₃₀O₄ **MW:** 286.4 **CAS:** 757995-43-0

Isolated from *Ascochyta* sp.

• Antifungal • Phytotoxic



Asperlactone

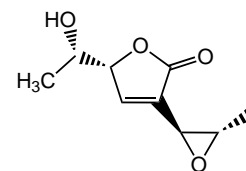
[5-(1-Hydroxyethyl)-3-(2,3-epoxypropyl)butenolide]

BVT-0260-M001 1 mg
 BVT-0260-M005 5 mg

Formula: C₉H₁₂O₄ **MW:** 184.2 **CAS:** 76375-62-7

Isolated from *Aspergillus ochraceus*.

• Antibiotic • Nematicidal, insecticidal, antibacterial and antifungal



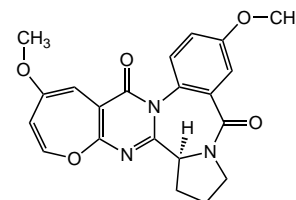
Asperloxine A

BVT-0266-M001 1 mg

Formula: C₂₁H₁₉N₃O₅ **MW:** 393.4

Isolated from *Aspergillus ochraceus*.

• Natural benzodiazepine • Anti-inflammatory



Aspinonene

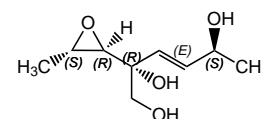
[6,7-Epoxy-5-hydroxymethyl-3-octen-2,5-diol]

BVT-0035-M001 1 mg
 BVT-0035-M005 5 mg

Formula: C₉H₁₆O₄ **MW:** 188.2 **CAS:** 157676-96-5

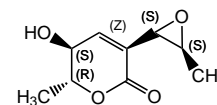
Isolated from *Aspergillus ochraceus* (DSM-7428).

• Multifunctional fungal secondary metabolite • Related to aspyrone (Prod. No. BVT-0029)

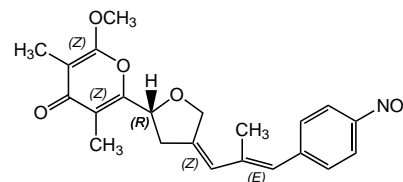


Aspyrone [3-(1,2-Epoxypropyl)-5,6-dihydro-5-hydroxy-6-methyl-2H-pyran-2-one]BVT-0029-M001 1 mg
BVT-0029-M005 5 mg**Formula:** C₉H₁₂O₄ **MW:** 184.2 **CAS:** 17398-00-4Isolated from *Aspergillus ochraceus*.

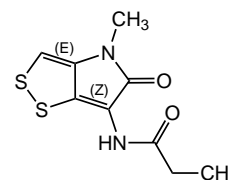
• Antibiotic • Shows nematocidal, insecticidal, antibacterial and antifungal activity • Related to asperlactone (Prod. No. BVT-0260) and aspinonene (Prod. No. BVT-0035)

**Aureothin** [Mycolutein; Distacin; JA 2814K; Antibiotic 74A; BRN 0058476]BVT-0303-M001 1 mg
BVT-0303-M005 5 mg**Formula:** C₂₂H₂₃NO₆ **MW:** 397.4 **CAS:** 2825-00-5Isolated from *Streptomyces thioluteus*.

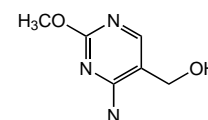
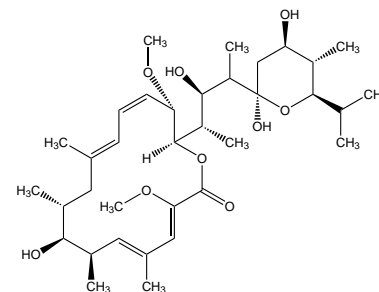
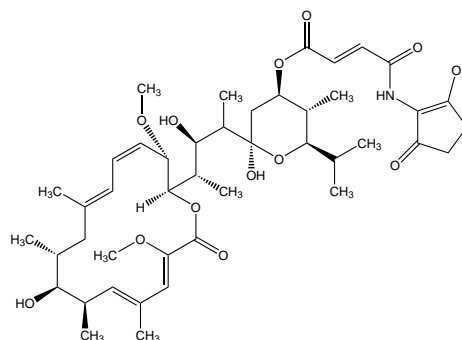
• Oxidoreductase inhibitor • Antitrypanosomal, antibacterial, antifungal, insecticidal and pesticidal • Antitumor compound

**Aureothricin** [Propionylpyrrothione; Farcinicin]BVT-0345-C500 500 µg
BVT-0345-M001 1 mg
BVT-0345-M005 5 mg**Formula:** C₉H₁₀N₂O₂S₂ **MW:** 242.3 **CAS:** 574-95-8Isolated from *Streptomyces thioluteus*.

• Antibiotic • Active against Gram-positive and Gram-negative bacteria, yeast, filamentous fungi, protozoa and insects • Potent bacterial and yeast RNA polymerase inhibitor • Fungal mannan and glucan formation inhibitor • Similar to thiolutin • Antitumor compound

**Bacimethrin** [4-Amino-2-methoxy-5-pyrimidinemethanol; 4-Amino-5-hydroxymethyl-2-methylpyrimidine]BVT-0226-C500 500 µg
BVT-0226-M001 1 mg**Formula:** C₆H₉N₃O₂ **MW:** 155.2 **CAS:** 3690-12-8Isolated from *Streptomyces albus*.

• Antibiotic • Antibacterial • Thiamine antagonist • Phosphatase kinase inhibitor

**Bafilomycin A1** [NSC381866]BVT-0252-C100 100 µg
BVT-0252-M001 1 mg**Formula:** C₃₅H₅₈O₉ **MW:** 622.8 **CAS:** 88899-55-2Isolated from *Streptomyces griseus*.• Macrolide antibiotic • Vacuolar-type H⁺-ATPase inhibitor • Tool for distinguishing among different types of ATPases • Inhibitor of endosomal acidification • Neuro-protective**Bafilomycin B1** [Setamycin; BRN4640118]BVT-0004-C100 100 µg
BVT-0004-M001 1 mg**Formula:** C₄₄H₆₅NO₁₃ **MW:** 815.9 **CAS:** 88899-56-3Isolated from *Streptomyces hygroscopicus*.• Macrolide antibiotic • Specific vacuolar-type H⁺-ATPase inhibitor

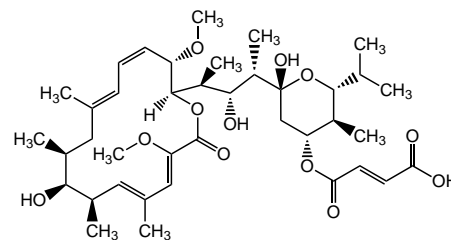
Bafilomycin C1

[L-681,110A1; 2-Demethyl-2-methoxy-24-methyl-hygroolidin]

BVT-0068-M001 1 mg
Formula: C₃₉H₆₀O₁₂ **MW:** 720.9 **CAS:** 88979-61-7

Isolated from *Streptomyces* sp. Gö 14F.

• Antibiotic • Specific vacuolar-type H⁺-ATPase inhibitor • Antibacterial, antifungal, insecticidal and antihelminthic • Anti-osteoporotic • Neuroprotective



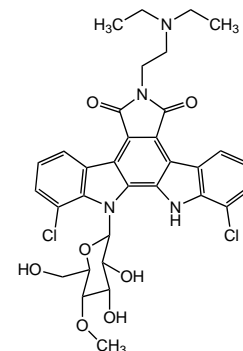
Becatecarin

[6-N-[2-(Diethylamino)ethyl]rebeccamycin; NSC 655649; BMY-27557-14; BMS-181176; XL119]

BVT-0258-C250 250 µg
 BVT-0258-M001 1 mg
Formula: C₃₃H₃₄Cl₂N₄O₇ **MW:** 669.6 **CAS:** 119673-08-4

Semisynthetic.

• Antibiotic • Semisynthetic water-soluble derivative of rebeccamycin (Prod. No. BVT-0139) • Antitumor compound • Topoisomerase II (Topo II) inhibitor • DNA intercalating agent



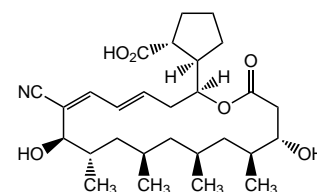
Borrelidin

[Treponemycin; U 78548; C2989]

BVT-0098-C500 500 µg
 BVT-0098-M001 1 mg
Formula: C₂₈H₄₃NO₆ **MW:** 489.6 **CAS:** 7184-60-3

Isolated from *Streptomyces* sp.

• Macrolide antibiotic • Bacterial and eukaryal threonyl-tRNA synthetase (THrRS) inhibitor • Antiangiogenic • Blocks the formation of spontaneous lung metastases of B16-BL6 melanoma cells • Cyclin-dependent kinase (CDK) inhibitor • Antiviral



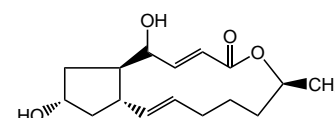
(+)-Brefeldin A

[Ascotoxin; Decumbin]

BVT-0190-M001 1 mg
Formula: C₁₆H₂₄O₄ **MW:** 280.4 **CAS:** 20350-15-6

Isolated from *Eupenicillium brefeldianum*.

• Antibiotic • Protein transport from ER to Golgi inhibitor • ADP-ribosylation factor (Arf) inhibitor • Cytotoxic • Antiviral • Apoptosis inducer • Antitumor compound • Intracellular collagen degradation inhibitor



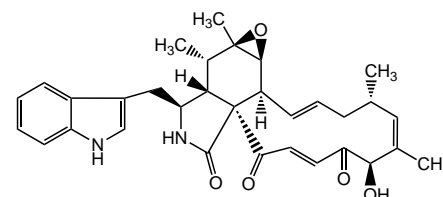
Chaetoglobosin A

[NSC366739; BRN1097707]

BVT-0092-M001 1 mg
 BVT-0092-M005 5 mg
Formula: C₃₂H₃₆N₂O₅ **MW:** 528.7 **CAS:** 50335-03-0

Isolated from *Chaetomium* sp.

• Antibiotic • Cytochalasin analog • Antifungal • Phytotoxic • Antibacterial • Cytotoxic



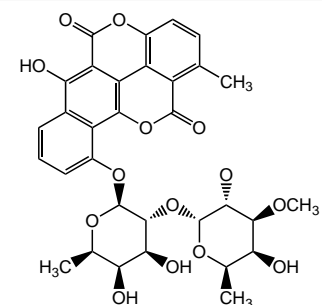
Chartreusin

[Lambdamycin]

BVT-0005-M005 5 mg
 BVT-0005-M025 25 mg
Formula: C₃₂H₃₂O₁₄ **MW:** 640.6 **CAS:** 6377-18-0

Isolated from *Streptomyces chartreusis*.

• Antibiotic • Antitumor compound • Topoisomerase II (Topo II) inhibitor • Induces single-strand scission in DNA in the presence of reducing agents



Chetomin

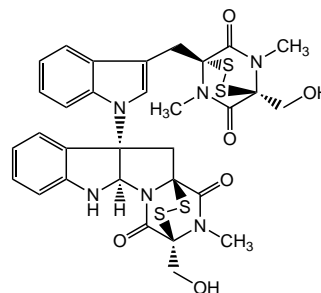
[NSC289491; BRN0077366]

BVT-0161-M001 1 mg
BVT-0161-M005 5 mg

Formula: C₃₁H₃₀N₆O₆S₄ **MW:** 710.9 **CAS:** 1403-36-7

Isolated from *Chaetomium* sp.

• Antibiotic • Inhibitor of HIF-1 formation by disrupting the binding of p300 to both HIF-1 α and HIF-2 α • Tumor growth inhibitor • Potent immunosuppressor • Antibacterial and antifungal • Mycotoxin



Chrysomycin A

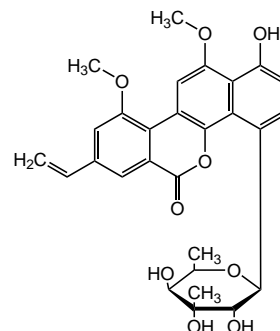
[Chrysomycin V; Virenomycin V]

BVT-0099-C250 250 μ g
BVT-0099-M001 1 mg

Formula: C₂₈H₂₈O₉ **MW:** 508.5 **CAS:** 82196-88-1

Isolated from *Streptomyces* sp.

• Antibiotic • Topoisomerase II (Topo II) inhibitor • Mediates a unique cross-linking reaction between DNA and histidine H3 • Anti-neoplastic • Photosensitizing compound • Antitumor compound



Chrysomycin B

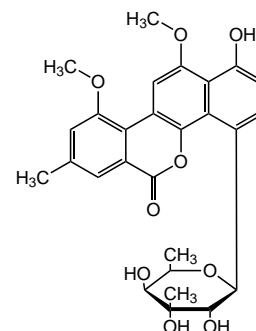
[Chrysomycin M; Virenomycin M]

BVT-0100-C250 250 μ g
BVT-0100-M001 1 mg

Formula: C₂₇H₂₈O₉ **MW:** 496.5 **CAS:** 83852-56-6

Isolated from *Streptomyces* sp.

• Antibiotic • Topoisomerase II (Topo II) inhibitor • Mediates a unique cross-linking reaction between DNA and histidine H3 • Anti-neoplastic • Photosensitizing compound • Antitumor compound • Less potent than chrysomycin A (Prod. No. BVT-0099)



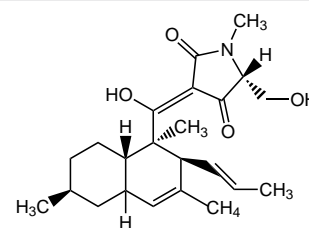
CJ-21058

BVT-0064-M001 1 mg
BVT-0064-M005 5 mg

Formula: C₂₃H₃₃NO₄ **MW:** 387.5 **CAS:** 405072-57-3

Isolated from *Phoma* sp.

• Antibiotic • SecA inhibitor • Antibacterial and antifungal • Cytotoxic • Methyl analog of equisetin



Cladospiron bisepoxide

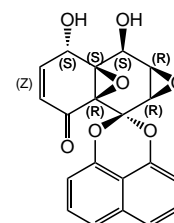
[Palmarumycin C13; Diepoxin ζ ; Antibiotic Sch 53514]

BVT-0065-M001 1 mg
BVT-0065-M005 5 mg

Formula: C₂₀H₁₄O₇ **MW:** 366.3 **CAS:** 152607-03-9 and 155866-40-3

Isolated from *Sphaeropsidales* sp.

• Antibiotic • Antibacterial and antifungal • Antitumor compound • Germination inhibitor



Concanamycin A

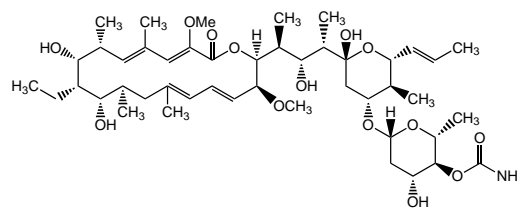
[Antibiotic X4357B]

BVT-0237-C025	25 µg
BVT-0237-C100	100 µg
BVT-0237-M001	1 mg

Formula: C₄₆H₇₅NO₁₄ **MW:** 866.1 **CAS:** 80890-47-7

Isolated from *Streptomyces* sp.

• Antibiotic • More potent and specific H⁺-ATPase inhibitor than bafilomycin A1 (Prod. No. BVT-0252) • Inhibits acidification of organelles such as lysosomes and the Golgi apparatus • Blocks cell surface expression of viral glycoproteins without affecting their synthesis • Cytotoxic • Induces nitric oxide (NO) production • Autophagy inhibitor


Concanamycin B

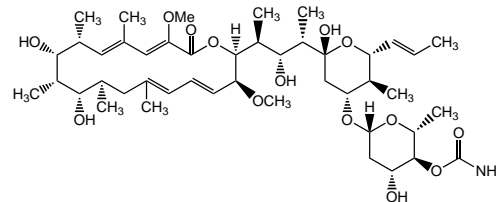
[8-Deethyl-8-methylconcanamycin A]

BVT-0253-C025	25 µg
BVT-0253-C100	100 µg
BVT-0253-C500	500 µg

Formula: C₄₅H₇₃O₁₄ **MW:** 852.1 **CAS:** 81552-33-2

Isolated from *Streptomyces* sp.

• Antibiotic • Exhibits similar activity as concanamycin A (Prod. No. BVT-0237) and concanamycin C (Prod. No. BVT-0254) • Specific vacuolar-type H⁺-ATPase inhibitor • Suppresses bone resorption • Inhibits proliferation of mouse splenic lymphocytes • Antifungal and larvicidal


Concanamycin C

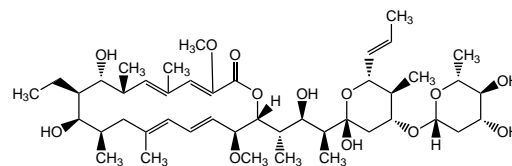
[4'-O-De(aminocarbonyl)concanamycin A]

BVT-0254-C025	25 µg
BVT-0254-C100	100 µg
BVT-0254-C500	500 µg

Formula: C₄₅H₇₄O₁₃ **MW:** 823.1 **CAS:** 81552-34-3

Isolated from *Streptomyces* sp.

• Antibiotic • Vacuolar-type H⁺-ATPase inhibitor • Anti-osteoporotic • Antiviral • Immunosuppressive • Antifungal and anti-yeast


Curvulin

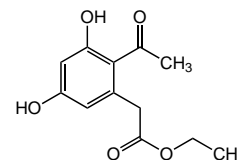
[Ethyl 2-(2-acetyl-3,5-dihydroxyphenyl)acetate]

BVT-0097-M001	1 mg
BVT-0097-M005	5 mg

Formula: C₁₂H₁₄O₅ **MW:** 238.2 **CAS:** 19054-27-4

Isolated from *Curvularia* sp.

• Phytotoxin • Microtubule assembly inhibitor • Similar to curvularin


Decarestrictine D

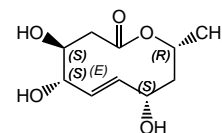
[Tuckolide]

BVT-0283-M001	1 mg
BVT-0283-M005	5 mg

Formula: C₁₀H₁₆O₅ **MW:** 216.2 **CAS:** 127393-89-9

Isolated from *Penicillium* sp.

• Hypolipidemic • Cholesterol biosynthesis inhibitor


Decoyinine

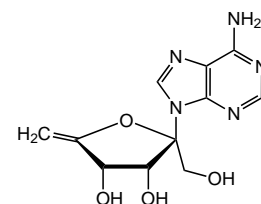
[Angustmycin A; U-7984; 9-(6-Deoxy-D-β-erythro-hex-5-en-2-ulofuranosyl)-adenine]

BVT-0030-M001	1 mg
BVT-0030-M005	5 mg

Formula: C₁₁H₁₃N₅O₄ **MW:** 279.3 **CAS:** 2004-04-8

Isolated from *Streptomyces* sp. S 2113.

• Nucleoside antibiotic • Antitumor compound • Xanthosine monophosphate (XMP) aminase inhibitor • RNA synthesis inhibitor • Specific GMP synthase inhibitor • Reduces intracellular GTP levels



17-DMAG

[17-[2-(Dimethylamino)ethyl]amino-17-desmethoxygeldanamycin; NSC 707545]

BVT-0255-C100

100 µg

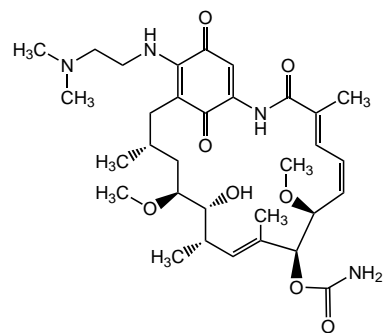
BVT-0255-M001

1 mg

Formula: C₃₂H₄₈N₄O₈**MW:** 616.8**CAS:** 467214-20-6

Semi-synthetic derivative from geldanamycin.

- Less toxic, more potent synthetic derivative of geldanamycin (Prod. No. BVT-0196) • Angiogenesis inhibitor • Heat shock protein 90 (HSP90) inhibitor • Apoptosis inducer • Shows higher antitumor activity than 17-AAG (Prod. No. BVT-0244)

**Echinomycin**

[Quinomycin A]

BVT-0267-M001

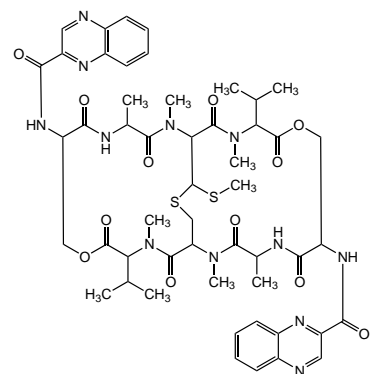
1 mg

BVT-0267-M005

5 mg

Formula: C₅₁H₆₄N₁₂O₁₂S₂**MW:** 1101.3**CAS:** 512-64-1Isolated from *Streptomyces echinatus* (DSM 40013).

- Antibiotic • Antitumor compound • Powerful, selective inhibitor of nucleic acid synthesis *in vitro* • Potent hypoxia-inducible factor 1 (HIF-1) DNA binding activity inhibitor • Apoptosis inducer • Antibacterial, antifungal and antiviral

**Echinosporin**

[NSC357683; XK 213]

BVT-0006-M001

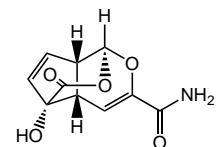
1 mg

BVT-0006-M005

5 mg

Formula: C₁₀H₉NO₅**MW:** 223.2**CAS:** 79127-35-8Isolated from *Streptomyces* sp.

- Antibiotic • Cell cycle inhibitor at the G(2)/M phase • Antitumor compound • Apoptosis inducer

**Elaiophylin**

[Antibiotic 255-E; Antibiotic 5001B; Antibiotic 56-62; Antibiotic 846 I; SNA 4606-3; Gopalamicin; Salbomycin; Azalomycin B]

BVT-0185-M001

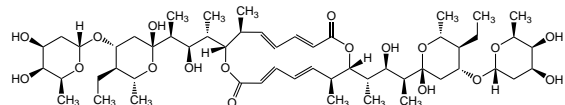
1 mg

BVT-0185-M005

5 mg

Formula: C₅₄H₈₈O₁₈**MW:** 1025.3**CAS:** 37318-06-2Isolated from *Streptomyces* sp. MT-1.

- Antibiotic • Active against Gram-positive bacteria, protozoa and tumors • Testosterone 5α-reductase inhibitor • Nitric oxide synthase (NOS) inhibitor • Immunosuppressive • Enhances the antifungal activity of rapamycin

**Elasnin**

[3,5-Dibutyl-4-hydroxy-6-(6-oxoundecan-5-yl)-2H-pyran-2-one]

BVT-0342-M001

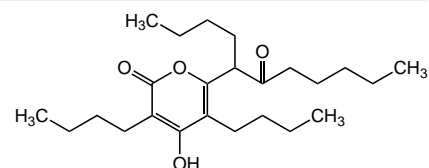
1 mg

BVT-0342-M005

5 mg

Formula: C₂₄H₄₀O₄**MW:** 392.6**CAS:** 68112-21-0Isolated from *Streptomyces* sp.

- Inhibitor of human leukocyte elastase, different other elastases and chymotrypsin

**Elmycin B**

BVT-0198-M001

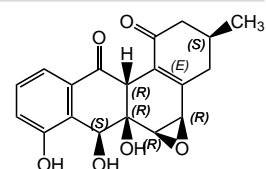
1 mg

BVT-0198-M005

5 mg

Formula: C₁₉H₁₈O₆**MW:** 342.3**CAS:** 128233-09-0Isolated from *Streptomyces* sp. K20/4.

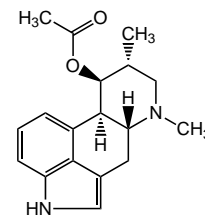
- Angucyclinone antibiotic • Antibacterial • Moderate cytotoxic



Fumigaclavine A

BVT-0090-M001	1 mg		
BVT-0090-M005	5 mg		
Formula: C ₁₈ H ₂₂ N ₂ O ₂	MW: 298.4	CAS: 6879-59-0	

Isolated from *Aspergillus* sp.
 • Ergot alkaloid • Mycotoxin



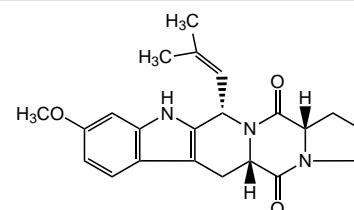
Fumitremorgin C

[Tryptoquivaline]

BVT-0189-C250	250 µg		
Formula: C ₂₂ H ₂₅ N ₃ O ₃	MW: 379.5	CAS: 118974-02-0	

Isolated from *Aspergillus fumigatus*.

• Mycotoxin • Tremorgenic • Potent and specific inhibitor of the breast cancer resistance protein (BCRP; ABCG2) • Reverses multidrug resistance mediated by BCRP and increases cytotoxicity of several anticancer agents *in vitro*



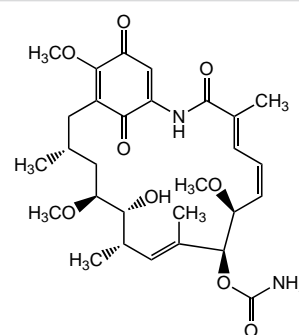
Geldanamycin

[NSC122750; BRN1633093; U-29135]

BVT-0196-C100	100 µg		
BVT-0196-C500	500 µg		
BVT-0196-M001	1 mg		
BVT-0196-M005	5 mg		
Formula: C ₂₉ H ₄₀ N ₂ O ₉	MW: 560.6	CAS: 30562-34-6	

Isolated from *Streptomyces hygroscopicus*.

• Antibiotic • Potent antitumor compound • pp60src tyrosine kinase inhibitor • Inhibits *c-myc* gene expression in murine lymphoblastoma cells • Inhibits the transforming activity of *abl*, *erbB*, *fps*, *src* and *yes* • Binds specifically to heat shock protein 90 (HSP90) and to its endoplasmic reticulum homolog GP96 (GRP94) • Destabilizes several oncogene and proto-oncogene products • Nuclear hormone receptor family inhibitor



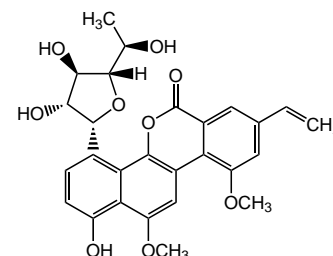
Gilvocarcin V

[Anandimycin A; Toromycin A; NSC 338943; DC-38-V; Antibiotic 1072B]

BVT-0256-C100	100 µg		
BVT-0256-C250	250 µg		
BVT-0256-M001	1 mg		
Formula: C ₁₀ H ₁₀ O ₃	MW: 178.2	CAS: 14153-17-4	

Isolated from *Streptomyces* sp. Gö 3592.

• Antitumor compound • Weakly antibacterial and antifungal • Mediates a unique cross-linking reaction between DNA and histone H3 by photoactivation



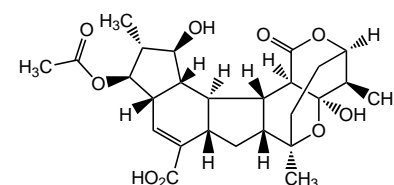
Hexacyclinic acid

[3-(1,2-Epoxypropyl)-5,6-dihydro-5-hydroxy-6-methyl-2H-pyran-2-one]

BVT-0261-M001	1 mg		
BVT-0261-M005	5 mg		
Formula: C ₂₆ H ₃₄ O ₉	MW: 490.5	CAS: 309757-85-5	

Isolated from *Streptomyces cellulosa* ssp. *Griseorubiginosus* S1013.

• Antibiotic • Antitumor compound • Weakly cytotoxic



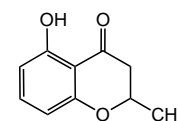
5-Hydroxy-2-methyl-4-chromanone

[5-Hydroxy-2-methylchroman-4-one]

BVT-0322-C500	500 µg		
BVT-0322-M001	1 mg		
Formula: C ₁₀ H ₁₀ O ₃	MW: 178.2	CAS: 14153-17-4	

Isolated from *Nodulisporium* sp.

• Antifungal and phytotoxic • Inhibits the growth of *Saccharomyces cerevisiae* and the formation of soybean callus



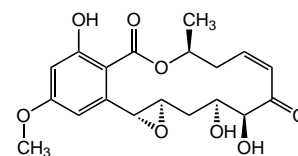
Hypothemycin

BVT-0067-C250 250 µg
BVT-0067-M001 1 mg

Formula: C₁₉H₂₂O₈ **MW:** 378.4 **CAS:** 76958-67-3

Isolated from *Phoma* sp.

• Antifungal • Cytotoxic • Inhibits proliferation of mouse and human T cells • Modulates production of cytokines during T cell activation • Facilitates the ubiquitinylation process of cyclin D1 • Potent and selective threonine/tyrosine-specific kinase, MEK and other protein kinases inhibitor



Iromycin A

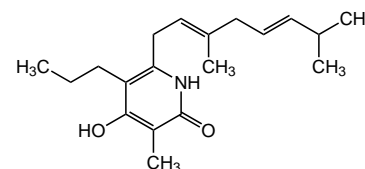
[6-((2E,5E)-3,7-Dimethylocta-2,5-dien-1-yl)-4-hydroxy-3-methyl-5-propylpyridin-2(1H)-one]

BVT-0262-C500 500 µg
BVT-0262-M001 1 mg
BVT-0262-M005 5 mg

Formula: C₁₉H₂₉NO₂ **MW:** 303.4 **CAS:** 213137-53-2

Isolated from *Streptomyces bottropensis*.

• Pyridone metabolite • Nitric oxide synthase (NOS) inhibitor, showing selectivity for eNOS (NOS III) versus nNOS (NOS I) • Thaxtomin biosynthesis inhibitor • Mitochondrial electron transport chain inhibitor



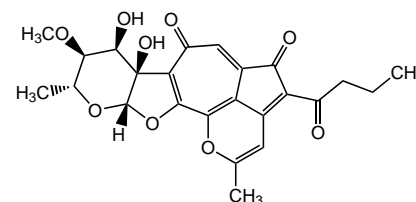
Isatropolone A

BVT-0080-M001 1 mg
BVT-0080-M005 5 mg

Formula: C₂₄H₂₄O₉ **MW:** 456.4

Isolated from *Streptomyces* sp. Gö66.

• Cytostatic • Cytotoxic



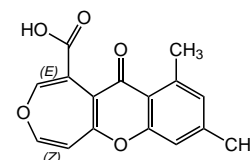
Isofusidienol A

BVT-0280-M001 1 mg
BVT-0280-M005 5 mg

Formula: C₁₆H₁₂O₆ **MW:** 300.3 **CAS:** 1032392-18-9

Isolated from *Chalara* sp.

• Antibiotic • Chromone derivative • Antifungal and antibacterial



Kendomycin

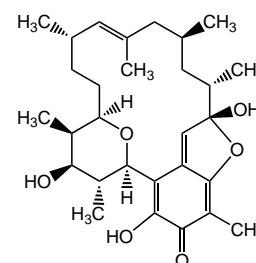
[(-)-TAN 2162]

BVT-0001-C100 100 µg
BVT-0001-C500 500 µg
BVT-0001-MM25 2.5 mg

Formula: C₂₉H₄₂O₆ **MW:** 486.6 **CAS:** 183202-73-5

Isolated from *Streptomyces violaceoruber*.

• Antibiotic • Potent endothelin receptor antagonist • Anti-osteoporotic • Antibacterial • Cytotoxic • Mediates its cytotoxic effects, at least in part, through proteasome inhibition



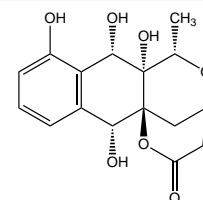
Luisol A

BVT-0212-M001 1 mg
BVT-0212-M005 5 mg

Formula: C₁₆H₁₈O₇ **MW:** 322.3 **CAS:** 225110-59-8

Isolated from *Streptomyces* sp.

• Weak cytotoxic activity against different tumor cell lines • Antiparasitic



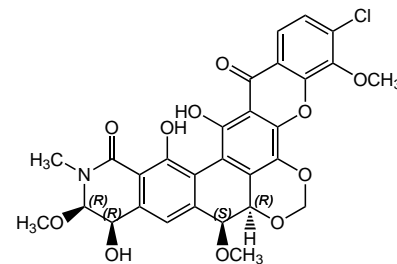
Lysolipin I

BVT-0037-C500 500 µg
 BVT-0037-M001 1 mg

Formula: C₂₉H₂₄ClNO₁₁ **MW:** 597.9 **CAS:** 59113-57-4

Isolated from *Streptomyces violaceoniger*.

• Antibiotic • Glycopeptide synthesis inhibitor • Antibacterial, antifungal and anti-coccidial • Cytotoxic



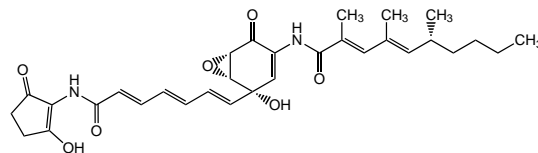
Manumycin A

BVT-0091-M001 1 mg
 BVT-0091-M005 5 mg
 BVT-0091-M010 10 mg

Formula: C₃₁H₃₈N₂O₇ **MW:** 550.6 **CAS:** 52665-74-4

Isolated from *Streptomyces parvulus*.

• Antibiotic • Potent, selective and competitive cell permeable rasfarnesyltransferase inhibitor • Does not affect geranylgeranyltransferase • Inhibition is competitive with respect to farnesyl pyrophosphate and non-competitive with respect to Ras • Neutral sphingomyelinase inhibitor • Blocks insulin-induced MAP kinase activation in rat cardiac myocytes



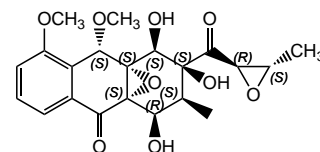
Mensacarcin

BVT-0028-M001 1 mg
 BVT-0028-M005 5 mg

Formula: C₂₁H₂₄O₉ **MW:** 420.4 **CAS:** 808750-39-2

Isolated from *Streptomyces bottropensis*.

• Antibiotic • Antitumor compound • Cytotoxic



MM 47755

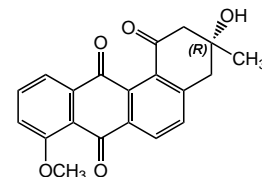
[6-Desoxy-8-O-methylrabelomycin]

BVT-0282-M001 1 mg
 BVT-0282-M005 5 mg

Formula: C₂₀H₁₆O₅ **MW:** 336.3 **CAS:** 117620-87-8

Isolated from *Streptomyces* sp. Gö 40/14.

• Antibiotic • Angucyclinone • Antibacterial and antifungal



Mutolide

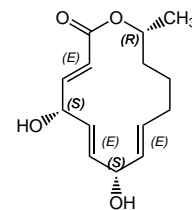
[(3E,5S,6E,8S,9E,14R)-5,8-Dihydroxy-14-methyloxa-cyclotetradeca-3,6,9-trien-2-one]

BVT-0070-M001 1 mg
 BVT-0070-M005 5 mg

Formula: C₁₄H₂₀O₄ **MW:** 252.3 **CAS:** 277749-34-5

Isolated from *Sphaeropsidales* sp.

• Antibiotic • Antibacterial • Phytotoxic



Naphthomycin B

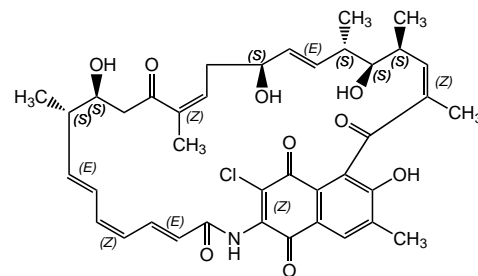
[2-Demethylnaphthomycin A]

BVT-0265-M001 1 mg

Formula: C₃₉H₄₄ClNO₉ **MW:** 706.2 **CAS:** 86825-88-9

Isolated from *Streptomyces* sp. Gö 40/14.

• Ansamycin antibiotic • Antibacterial and antifungal

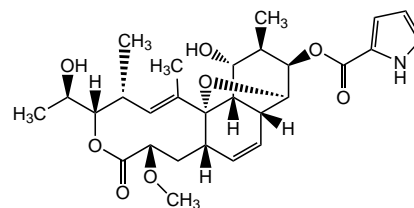


Nargenicin A1

[CP-47,444; CS682]

BVT-0204-M001 1 mg
BVT-0204-M005 5 mgFormula: C₂₈H₃₇NO₈ MW: 515.6 CAS: 70695-02-2Isolated from *Actinomyces* sp. Gö301.

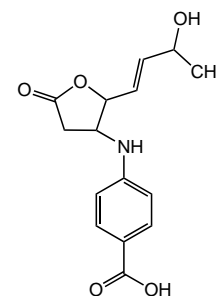
- Antibiotic against Gram-positive bacteria, particularly *Staphylococcus* and *Clostridia*
- More effective against multi-resistant strains (MRSA) than erythromycin and vancomycin
- Inhibits cell proliferation
- Displays low cytotoxicity compared to erythromycin and spiramycin

**Obscurolide A1**

[(E)-4-((2-(3-Hydroxybut-1-en-1-yl)-5-oxotetra-hydrofuran-3-yl)amino)benzoic acid]

BVT-0287-M001 1 mg
BVT-0287-M005 5 mgFormula: C₁₅H₁₇NO₅ MW: 291.3 CAS: 144397-99-9Isolated from *Streptomyces viridochromogenes*.

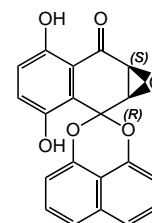
- Weak phosphodiesterase inhibitor

**Palmarumycin C3**

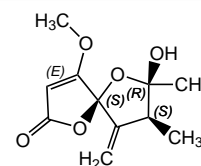
[(1a'R,7a'S)-3',6'-Dihydroxy-1a'H-spiro[naphtho[1,8-de][1,3]dioxine-2,2'-naphtho[2,3-b]oxiren]-7'(7a'H)-one]

BVT-0078-M001 1 mg
BVT-0078-M005 5 mgFormula: C₂₀H₁₂O₆ MW: 348.3 CAS: 159934-11-9Isolated from *Sphaeropsidales* sp.

- Rasfarnesyltransferase inhibitor
- Antifungal, antibacterial and herbicidal

**Papyracillic acid A**BVT-0308-C500 500 µg
BVT-0308-M001 1 mgFormula: C₁₁H₁₄O₅ MW: 226.2 CAS: 960148-59-8Isolated from *Lachnum papyraceum* and a *Microsphaeropsis* sp.

- Antibiotic
- Exists in an equilibrium of diastereomers

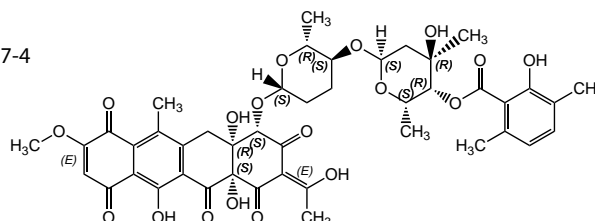
**Polyketomycin**

[Antibiotic K99-5147]

BVT-0033-M001 1 mg

Formula: C₄₄H₄₈O₁₈ MW: 864.8 CAS: 200625-47-4Isolated from *Streptomyces* sp.

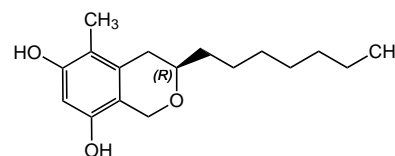
- Tetracyclic quinone glycoside
- Antibacterial and antimalarial
- Antitumor compound

**Pseudoanguillosporin A**

[(R)-3-Heptyl-5-methylisochroman-6,8-diol]

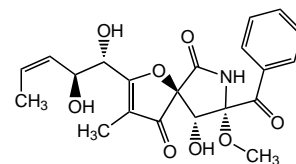
BVT-0311-C500 500 µg
BVT-0311-M001 1 mgFormula: C₁₇H₂₆O₃ MW: 278.4 CAS: 1159392-22-9Isolated from *Strobilurus* sp.

- Antifungal
- Respiration inhibitor
- Inhibits mitochondrial respiration in fungi
- Binds at the Q₀-centre on cytochrome b and blocks the electron transfer between cytochrome b and cytochrome c₁



Pseurotin A

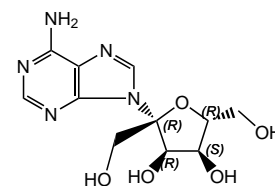
BVT-0003-M001 1 mg
Formula: C₂₂H₂₅NO₈ **MW:** 431.4 **CAS:** 58523-30-1
 Isolated from *Aspergillus fumigatus*.
 • Antibiotic • Chitin synthase inhibitor • Cytotoxic • Shows nematicidal activity



Psicofuranine

[Angustmycin C; U-9586; 9-β-D-Psicofuranosyl-9H-purin-6-amine]

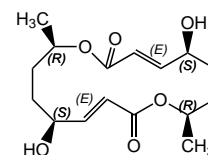
BVT-0284-M001 1 mg
 BVT-0284-M005 5 mg
Formula: C₁₁H₁₅N₅O₅ **MW:** 297.3 **CAS:** 1874-54-0
 Isolated from *Streptomyces* sp. S 2113.
 • Nucleoside antibiotic • Antitumor compound • Xanthosine monophosphate (XMP) aminase inhibitor • Antimetabolite of the purine biosynthesis



Pyrenophorol

[Helmidiol; (-)-Pyrenophorol]

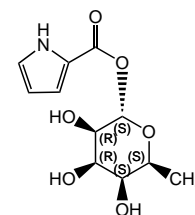
BVT-0289-C500 500 µg
 BVT-0289-M001 1 mg
Formula: C₁₆H₂₄O₆ **MW:** 312.4 **CAS:** 22248-41-5
 (or 155326-45-7)
 Isolated from *Phoma* sp.
 • Phytotoxic, antifungal and antihelmintic • Prolylendopeptidase inhibitor



Pyrrolcarbonyltaloside

[1-O-(Pyrrolylcarbonyl)-6-desoxy-α-L-talopyranoside]

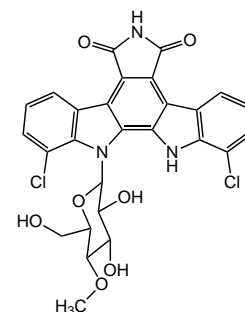
BVT-0095-M001 1 mg
 BVT-0095-M005 5 mg
Formula: C₁₁H₁₅NO₆ **MW:** 257.2 **CAS:** 912539-02-7
 Isolated from *Kitasatospora* sp. (Gö M1).
 • Antibiotic • Shows weak cytotoxic activity against different tumor cell lines • Displays antiparasitic activity



Rebeccamycin

[NSC 359079; BRN 4732638]

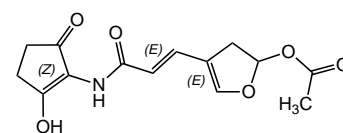
BVT-0139-C250 250 µg
 BVT-0139-M001 1 mg
Formula: C₂₇H₂₁Cl₂N₃O₇ **MW:** 570.4 **CAS:** 93908-02-2
 Isolated from *Streptomyces* sp.
 • Antibiotic • Weak topoisomerase I (Topo I) inhibitor • Structurally similar to staurosporine • Antitumor compound



Reductiomycin

[AM-6201; S 5511I]

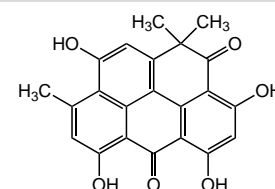
BVT-0292-M001 1 mg
 BVT-0292-M005 5 mg
Formula: C₁₄H₁₅NO₆ **MW:** 293.3 **CAS:** 68748-55-0
 Isolated from *Streptomyces* sp.
 • Antibiotic • Antibacterial, antifungal and antiviral • Antitumor compound



Resistomycin

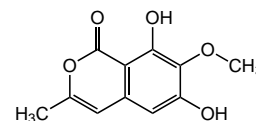
[Geliomycin; Heliomycin; Itamycin]

BVT-0036-M001 1 mg
Formula: C₂₂H₁₆O₆ **MW:** 376.4 **CAS:** 20004-62-0
 Isolated from *Streptomyces* sp.
 • Antibacterial (Gram-positive and mycobacteria) • RNA polymerase inhibitor • Apoptosis inducer

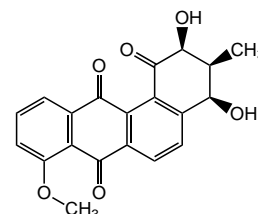


Reticulol[6,8-Dihydroxy-7-methoxy-3-methyl-1*H*-isochromen-1-one]BVT-0011-C250 250 µg
BVT-0011-M001 1 mg**Formula:** C₁₁H₁₀O₅ **MW:** 222.2 **CAS:** 26246-41-3Isolated from *Streptomyces* sp.

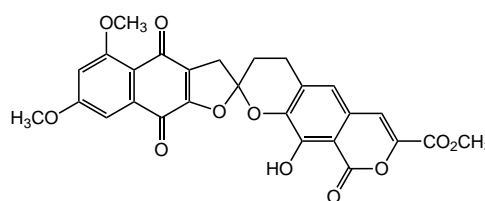
• Antibiotic • Cyclic adenosine 3',5'-monophosphate phosphodiesterase and topoisomerase I (Topo I) inhibitor • Antitumor compound

**Rubiginone D2**BVT-0024-M001 1 mg
BVT-0024-M005 5 mg**Formula:** C₂₀H₁₆O₆ **MW:** 352.3 **CAS:** 274913-71-2Isolated from *Streptomyces* sp. (strain Gö N1/5).

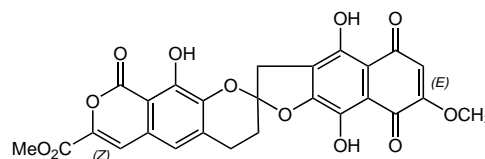
• Antibiotic • Antibacterial • Antitumor compound

**β-Rubromycin**BVT-0251-M001 1 mg
BVT-0251-M005 5 mg**Formula:** C₂₇H₂₀O₁₂ **MW:** 536.4 **CAS:** 27267-70-5Isolated from *Streptomyces* sp.

• Antibiotic • HIV-1 reverse transcriptase inhibitor • Human telomerase inhibitor • Antibacterial • Cytostatic

**γ-Rubromycin**BVT-0007-M001 1 mg
BVT-0007-M005 5 mg**Formula:** C₂₆H₁₈O₁₂ **MW:** 522.4 **CAS:** 27267-71-6Isolated from *Streptomyces* sp.

• Antibiotic • HIV-1 reverse transcriptase inhibitor • Human telomerase inhibitor • Antibacterial • Cytostatic

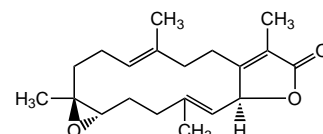
**Sarcophine**

[NSC250434]

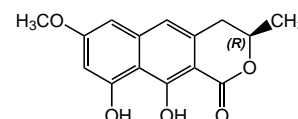
BVT-0305-M002 2 mg
BVT-0305-M010 10 mg**Formula:** C₂₀H₂₈O₃ **MW:** 316.4 **CAS:** 55038-27-2

Isolated from soft coral.

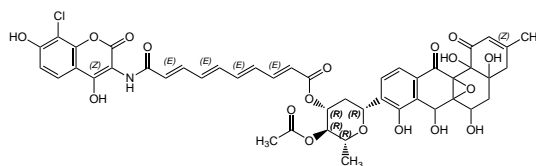
• Acetylcholine esterase and ATPase inhibitor • Ichthyotoxin • Tumorigenesis inhibitor

**(R)-Semivioxanthin**BVT-0360-C500 500 µg
BVT-0360-M001 1 mg**Formula:** C₁₅H₁₄O₅ **MW:** 274.3 **CAS:** 70477-26-8Isolated from *Penicillium citreo-viride*.

• Mycotoxin • Antibacterial (Gram-positive) and antifungal • Immunoregulator by degradation of IκB (Inhibitor of NF-κB) and regulation of the TNF-α and MAPK (mitogen-activated protein kinase) signaling pathways

**Simocyclinone D8**BVT-0290-M001 1 mg
BVT-0290-M005 5 mg**Formula:** C₄₆H₄₂ClNO₁₈ **MW:** 932.3 **CAS:** 301845-97-6Isolated from *Streptomyces antibioticus* Tü 6040.

• Antibiotic • Bacterial DNA gyrase inhibitor • Human topoisomerase II (Topo II) inhibitor • Antibacterial (Gram-positive) • Antitumor compound



Strobilurin B [(2E,3Z,5E)-Methyl-6-(4-chloro-3-methoxyphenyl)-2-(methoxy-methylene)-3-methylhexa-3,5-dienoate]

BVT-0312-C500

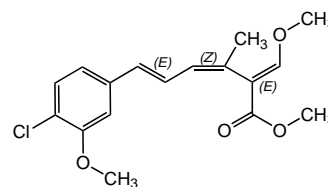
500 µg

BVT-0312-M001

1 mg

Formula: C₁₇H₁₉ClO₄**MW:** 322.8**CAS:** 65105-52-4Isolated from *Strobilurus* sp.

• Antifungal • Respiration inhibitor • Blocks the electron transfer between cytochrome b and cytochrome c₁

**Thaxtomin A**

[Thaztomin A]

BVT-0206-M001

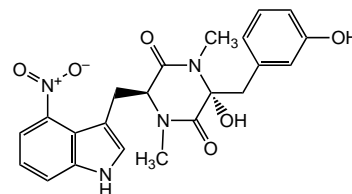
1 mg

BVT-0206-M005

5 mg

Formula: C₂₂H₂₂N₄O₆**MW:** 438.4**CAS:** 122380-18-1Isolated from *Streptomyces* sp. Gö-Dra 17.

• Phytotoxin • Plant cell necrosis inducer • Induces common scab disease of potato

**Viomellein**

[BRN4630536]

BVT-0359-C500

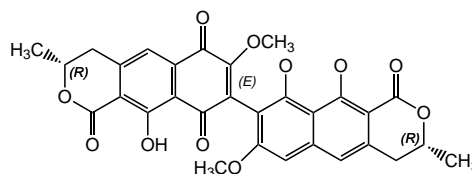
500 µg

BVT-0359-M001

1 mg

Formula: C₃₀H₂₄O₁₁**MW:** 560.5**CAS:** 55625-78-0Isolated from *Aspergillus sulphureus*.

• Genotoxic mycotoxin • Antibacterial (Gram-positive) and insecticidal

**Xanthomegnin**

[NSC264720]

BVT-0365-C500

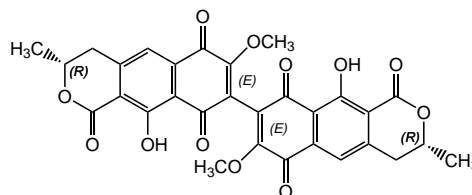
500 µg

BVT-0365-M001

1 mg

Formula: C₃₀H₂₂O₁₂**MW:** 574.5**CAS:** 1685-91-2Isolated from *Penicillium citreo-viride*.

• Genotoxic mycotoxin • Antitumor compound • Interferes with cellular respiratory processes



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