



Unique Natural Products & Rare Antibiotics

From Bacterial, Fungal, Marine & Plant Sources

Compounds from Plant Sources



Thapsigargin (high purity)

AG-CN2-0003

1 mg | 5 mg | 10 mg

BULK | Original Source

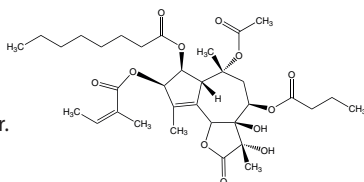
Formula: $C_{34}H_{50}O_{12}$

MW: 650.8

CAS: 67526-95-8

Source: *Thapsia garganica*

Non-TPA/PMA tumor promoter.



Amorfrutin B

AG-CN2-0464

NEW

500 µg

Formula: $C_{26}H_{32}O_4$

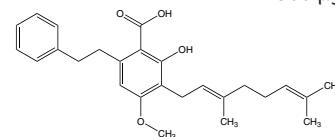
MW: 408.5

CAS: 1174387-94-0

Source: *Amorpha fruticosa*

Natural PPAR γ agonist with potent glucose-lowering properties.

Also Available: Amorfrutin A



Phorbol 12-myristate 13-acetate [TPA/PMA]

AG-CN2-0010

1 mg | 5 mg | 10 mg | 25 mg

BULK | Original Source

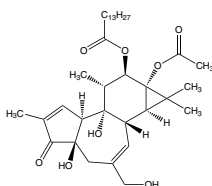
Formula: $C_{8}H_{14}O_3S_2$

MW: 212.3

CAS: 750590-18-2

Source: *Semisynthetic from Croton sp.*

Potent tumor promoter.



Pellitorine

AG-CN2-0009

1 mg | 5 mg

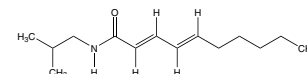
Formula: $C_{14}H_{25}NO$

MW: 223.4

CAS: 18836-52-7

Source: *Synthetic. Originally from Anacyclus pyrethrum.*

Tingling-inducing agent. Excellent stable model compound for sensory studies. Exerts same profile as the unstable compound hydroxy- α -sanshool.



Other Selected Compounds

Cinnamtannin B-1 (Potent antioxidant)

AG-CN2-0428

5 mg

Zerumbone (Potent antitumor compound)

AG-CN2-0004

10 mg | 50 mg

Hyperforin . DCHA (Potent SIRT1/2 inhibitor)

AG-CN2-0008

500 µg | 1 mg

Ingenol-3-angelate (Specific PKC activator)

AG-CN2-0012

1 mg | 5 mg

Triptolide (Potent immunosuppressant)

AG-CN2-0448

1 mg | 5 mg | 10 mg

Compounds from Marine Sources

Ageladine A

AG-CMA-1001

Formula: C₁₂H₈Br₂F₃N₅O₂ · C₂HF₃O₂

MW: 357.0 · 114.0

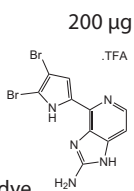
CAS: 643020-13-7

Source: *Agelas nakamurai*

Non-toxic, cell permeable, pH-dependent fluorescent dye.

Exhibits *in vitro* and *in vivo* antiangiogenic activity.

Selective inhibitor of DYRK1A, DYRK2, TYK2.



Ilimaquinone

AG-CN2-0038

100 µg

BULK | Original Source

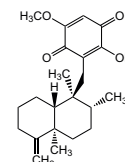
Formula: C₂₂H₃₀O₄

MW: 358.5

CAS: 71678-03-0

Source: *Anthelia sp.*

Cytoplasmic microtubule inhibitor. Cell permeable, antimicrobial, anti-inflammatory, antimitotic and cytotoxic compound.



Jasplakinolide

AG-CN2-0037

100 µg

BULK | Original Source

Formula: C₃₆H₄₅BrN₄O₆

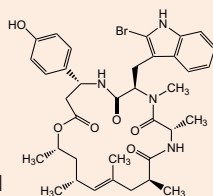
MW: 709.7

CAS: 102396-24-7

Source: *Jaspis splendens*

Cell permeable, non-fluorescent

F-actin probe. Potent inducer of actin polymerization and stabilization. Tool used for autophagy/phagocytosis research.



Latrunculin A

AG-CN2-0027

100 µg | 500 µg

BULK | Original Source

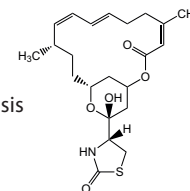
Formula: C₂₂H₃₁NO₅S

MW: 421.6

CAS: 76343-93-6

Source: *Latrunculina magnifica*

Actin polymerization inhibitor. Potent phagocytosis inhibitor. Anticancer compound. Inhibits tumor cell invasion.



Tetrodotoxin

AG-CN2-0452 (free base)

AG-CN2-0450 (citrate, water soluble)

1 mg

1 mg

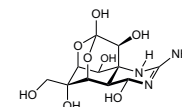
Formula: C₁₁H₁₇N₃O₈

MW: 319.3

CAS: 4368-28-9 (citrate free)

Source: *Tetraodontidae*

Potent neurotoxin. Selective, reversible excitable voltage-gated sodium channel (VGSC) blocker.



UNIQUE

Salinosporamide A [Marizomib; NPI-0052]

AG-CN2-0444

100 µg

BULK | Original Source

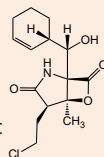
Formula: C₁₅H₂₀ClNO₄

MW: 313.8

CAS: 437742-34-2

Source: *Salinospira tropica*

Potent, irreversible inhibitor of all the three proteolytic activities of the mammalian 20S proteasome.



Other Selected Compounds

Aerothionin (Antibiotic & Antimycobacterial)

AG-CN2-0453

1 mg

10Z-Hymenialdisine (Potent NF-κB inhibitor)

AG-CN2-0067

500 µg | 1 mg

Psammaplin A (Class I HDAC inhibitor)

AG-CN2-0088

100 µg | 500 µg

Latrunculin B (Actin polymerization inhibitor)

AG-CN2-0031

1 mg

16-epi-Latrunculin B (Actin polymerization inhibitor)

AG-CN2-0034

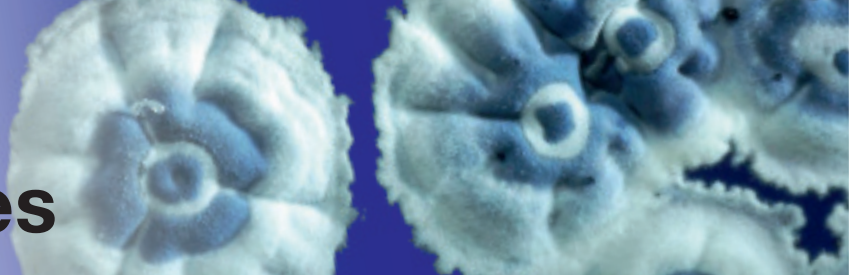
100 µg

Swinholide A (Specific F-actin inhibitor)

AG-CN2-0035

10 µg | 50 µg

Compounds from Bacterial Sources



Bafilomycin A1 (high purity)

BVT-0252

Formula: $C_{35}H_{58}O_9$

MW: 622.8

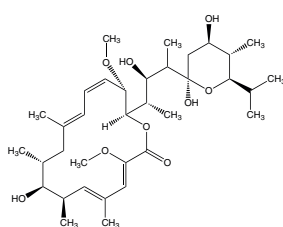
CAS: 88899-55-2

Source: *Streptomyces griseus*

Specific vacuolar-type H^+ -ATPase inhibitor. Distinguishes among different types of ATPases. Inhibitor of endosomal, lysosomal and vacuolar acidification.

Also Available: **Bafilomycin B1 & C1**

100 μ g | 1 mg



Borrelidin

BVT-0098

Formula: $C_{28}H_{43}NO_6$

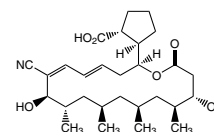
MW: 489.6

CAS: 7184-60-3

Source: *Streptomyces sp.*

Bacterial, protozoan and mammalian threonyl-tRNA synthetase (ThrRS) inhibitor. Antiangiogenic (IC_{50} = 0.8 nM) and anticancer agent.

500 μ g | 1 mg | 5 mg



Concanamycin A (high purity)

BVT-0237

25 μ g | 100 μ g | 1 mg

BULK | Original Source

Formula: $C_{46}H_{75}NO_{14}$

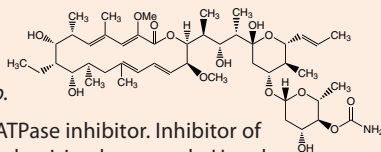
MW: 866.1

CAS: 80890-47-7

Source: *Streptomyces sp.*

Potent and specific H^+ -ATPase inhibitor. Inhibitor of autophagic degradation by rising lysosomal pH and thus inactivating the lysosomal acid hydrolases.

Also Available: **Concanamycin B & C**



Lactacystin

AG-CN2-0104

100 μ g | 200 μ g | 500 μ g | 1 mg

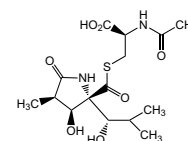
Formula: $C_{15}H_{24}N_2O_7S$

MW: 376.4

CAS: 133343-34-7

Source: *Streptomyces lactacystinnaeus* strain OM-6519

Potent and selective irreversible proteasome inhibitor. Specifically inhibits 20S proteasome.



Tropodithietic acid [TDA]

BVT-0152

1 mg | 5 mg

Formula: $C_8H_4O_3S_2$

MW: 212.3

CAS: 750590-18-2

Source: *Roseobacter gallaeciensis*

Antibiotic. Active against Gram-positive and Gram-negative bacteria. Antifungal and anti-nematodal. Shows antitumor activity. Bacterial signal substance.



Manumycin A

BVT-0091

1 mg | 5 mg | 10 mg

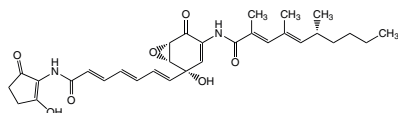
Formula: $C_{31}H_{38}N_2O_7$

MW: 550.6

CAS: 52665-74-4

Source: *Streptomyces parvulus*

Potent, selective and competitive cell permeable rasfarnesyltransferase inhibitor.



Other Selected Compounds

Actinonin (Aminopeptidase M inhibitor)

AG-CN2-0161

5 mg | 25 mg

Boromycin (Anti-HIV compound)

AG-CN2-0166

250 μ g | 1 mg

Helvolic acid (Potent antibacterial compound)

BVT-0435

1 mg | 5 mg

Kirromycin (Protein biosynthesis inhibitor)

BVT-0157

1 mg | 5 mg

Prodigiosin (mTORC 1/2 inhibitor)

AG-CN2-0105

250 μ g | 1 mg

Rebecamycin (Antitumor compound)

BVT-0139

250 μ g | 1 mg

Compounds from Fungal Sources

(+)-Aphidicolin

BVT-0307

Formula: C₂₀H₃₄O

MW: 338.5

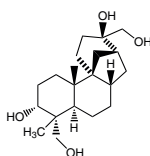
CAS: 38966-21-1

Source: *Phoma sp. BS 7210*

Antiviral and antineoplastic agent. Specific DNA polymerase α and δ inhibitor in eukaryotic cells and in some viruses of animal origin.

Also Available: *Aphidicolin 17-acetate, Aphidicolin-3 α , 18-acetonide, 3-Deoxyaphidicolin*

1 mg | 5 mg | 25 mg



Chetomin

BVT-0161

Formula: C₃₁H₃₀N₆O₆S₄

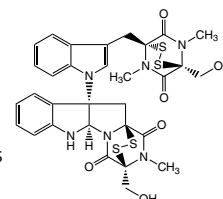
MW: 710.9

CAS: 1403-36-7

Source: *Chaetomium sp.*

Tumor growth inhibitor. Inhibitor of HIF-1 formation. Histone H3K9 methyltransferases G9a and Suv39h inhibitor. Potent immunosuppressor.

1 mg | 5 mg



THE SOURCE

Fumitremorgin C

BVT-0189

Formula: C₂₂H₂₅N₃O₃

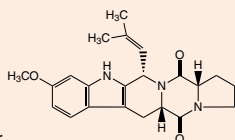
MW: 379.5

CAS: 118974-02-0

Source: *Aspergillus fumigatus*

Mycotoxin. Potent and specific inhibitor of the breast cancer resistance protein (BCRP; ABCG2).

250 μ g | 1 mg



UNIQUE

Heptelidic acid

AG-CN2-0118

Formula: C₁₅H₂₀O₅

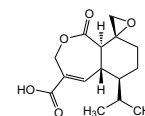
MW: 280.3

CAS: 74310-84-2

Source: *Trichoderma sp.*

Potent selective GAPDH inhibitor. Selectively kills high-glycolytic cancer cells through glucose-dependent active ATP deprivation

250 μ g | 1 mg



Other Selected Compounds

Asteltoxin (Mitochondrial respiration inhibitor)

AG-CN2-0441

250 μ g

Atpenin A5 (Mitochondrial complex II inhibitor)

AG-CN2-0100

250 μ g | 1 mg

Butyrolactone I (Potent CDK-1, -2 & -5 inhibitor)

BVT-0448

200 μ g | 1 mg | 5 mg

Meleagrins (Antifouling agent)

AG-CN2-0451

1 mg

Rubratoxin A (Potent PP2A inhibitor)

AG-CN2-0092

250 μ g | 500 μ g

Skyrin (Anti-diabetic agent)

AG-CN2-0001

1 mg

BVT-0445

5 mg

Terpendole E (ACAT inhibitor)

AG-CN2-0127

250 μ g | 1 mg

Viridiol (PI3K inhibitor)

AG-CN2-0126

250 μ g | 1 mg

Many More Compounds Available like:

Apicidin | Beauvericin | (+)-Brefeldin A | Citrinin | Cyclopenin | Cyclosporin C | Harzianum A | (3S,6R)-Lateritin | Neoxaline | Radicol | Roquefortine C | Sclerotiorin | Tetrahydrobostrycin | Viridiol | Wortmannin

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