

Unique Natural Products & Rare Antibiotics

Discovered by the Nobel Prize Awarded
Kitasato Institute for Life Sciences

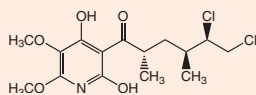
Diabetes, Obesity & Cardiovascular Diseases Modulators

BULK

Atpenin A5 (synthetic)

AG-CN2-0100-C250 250 µg
AG-CN2-0100-M001 1 mg

Formula: C₁₅H₂₁Cl₂NO₅
MW: 366.2
CAS: 119509-24-9



Potent and specific mitochondrial complex II (succinate-ubiquinone oxidoreductase) inhibitor.

Altenusin (MLCK inhibitor)

AG-CN2-0143 1 mg | 5 mg

Amidepsine A (DGAT inhibitor)

AG-CN2-0109 1 mg | 2.5 mg

Amidepsine D (DGAT inhibitor)

AG-CN2-0110 1 mg | 2.5 mg

EM574 (Orexigenic; Motilin receptor agonist)

AG-CN2-0102 250 µg | 1 mg

Geodin (Glucose uptake stimulator)

AG-CN2-0139 1 mg | 5 mg

(R,R)-Hymeglusin (HMG-CoA synthase inhibitor)

AG-CN2-0103 0.5 mg | 1 mg | 2.5 mg

Penicillide (ACAT inhibitor)

AG-CN2-0122 250 µg | 1 mg

Pyripyropene A (Specific ACAT2 inhibitor)

AG-CN2-0106 250 µg | 1 mg

Sclerotiorin (CETP activity inhibitor)

AG-CN2-0054 0.5 mg | 1 mg | 5 mg

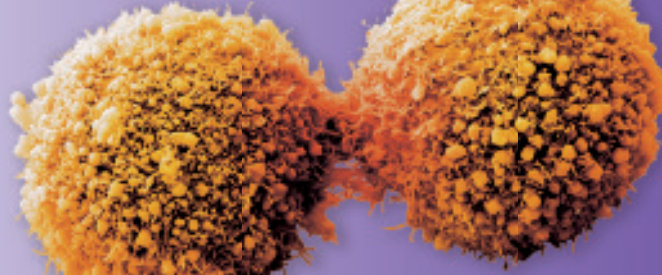
Terpendole C (ACAT1/ACAT2 & CE synthesis inhibitor)

AG-CN2-0125 250 µg | 1 mg

Terpendole E (ACAT inhibitor)

AG-CN2-0127 250 µg | 1 mg

Anticancer Modulators



UNIQUE

Heptelidic acid [Koningic acid]

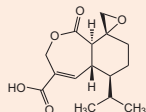
AG-CN2-0118-C250
AG-CN2-0118-M001

250 µg
1 mg

Formula: C₁₅H₂₀O₅
MW: 280.3
CAS: 57710-57-3

Source: *Trichoderma* sp.

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



BULK

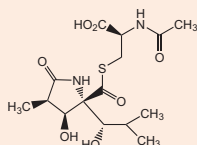
Lactacystin

AG-CN2-0104-C100
AG-CN2-0104-C200
AG-CN2-0104-C500
AG-CN2-0104-M001

100 µg
200 µg
500 µg
1 mg

Formula: C₁₅H₂₄N₂O₇S
MW: 376.4
CAS: 133343-34-7

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



BULK

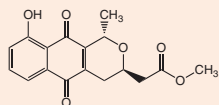
OM173-αA

AG-CN2-0158-M001
AG-CN2-0158-M005

1 mg
5 mg

Formula: C₁₇H₁₆O₆
MW: 316.3
CAS: 58286-56-9

Induces antiproliferative effects in tumor cell lines. Selective DNA (cytosine-5)-methyltransferase 3B (DNMT3B) inhibitor. Ras-competitive non-CAAX mimetic type farnesyltransferase (FTase) inhibitor.



Asperphenamate (Anticancer compound)

AG-CN2-0171 250 µg | 1 mg

Andrastin A (Protein farnesyltransferase inhibitor)

AG-CN2-0144 250 µg | 1 mg

Bikaverin (Anticancer compound)

AG-CN2-0130 250 µg | 1 mg

Cercosporin (Potent PKC inhibitor)

AG-CN2-0111 1 mg | 5 mg

Citrinin (MPTP activator)

AG-CN2-0101 1 mg | 5 mg | 25 mg

10,11-Dehydrocurvularin (Anticancer compound)

AG-CN2-0165 1 mg | 5 mg

Dihydrochlamydocin (Potential HDAC inhibitor)

AG-CN2-0115 250 µg | 1 mg

Funalenone (MMP-1 inhibitor)

AG-CN2-0137 1 mg

Harzianopyridone (Mitochon. complex II inhibitor)

AG-CN2-0149 250 µg | 1 mg

Harzianum A (Anticancer compound)

AG-CN2-0117 250 µg | 1 mg

Macrosphelide A (Antimetastatic compound)

AG-CN2-0152 1 mg | 5 mg

Neoxaline (Cell cycle inhibitor at the G2/M phase)

AG-CN2-0154 1 mg | 5 mg

Prodigiosin (mTORC 1/2 inhibitor)

AG-CN2-0105 250 µg | 1 mg

Pyridoxatin (MMP-2 inhibitor)

AG-CN2-0123 250 µg | 1 mg

Streptochlorin (Antiangiogenic compound)

AG-CN2-0141 250 µg | 1 mg

Trichostatin A (HDAC inhibitor)

AG-CN2-0108 1 mg | 5 mg

Viridiol (PI3K inhibitor)

AG-CN2-0126 250 µg | 1 mg

Antimicrobial Compounds



UNIQUE

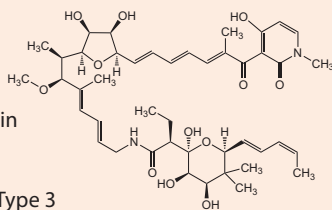
Aurodox

AG-CN2-0133-M001
AG-CN2-0133-MM25

1 mg
2.5 mg

Formula: C₄₄H₆₂N₂O₁₂
MW: 811.0
CAS: 12704-90-4

Antibiotic. Growth promoter in poultry. Protein biosynthesis inhibitor by binding to elongation factor Tu (EF-Tu). Type 3 secretion system (T3SS) inhibitor.



UNIQUE

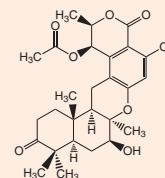
Thailandolide B

AG-CN2-0160-M001
AG-CN2-0160-M005

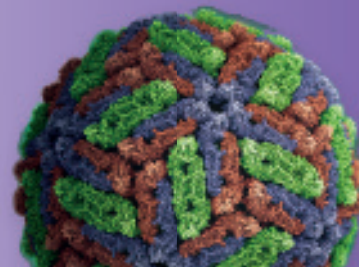
1 mg
5 mg

Formula: C₂₇H₃₄O₈
MW: 484.6
CAS: 944726-62-9



Antibiotic. Stereoisomer of chrodrimanin B.



PRODUCT NAME	ACTIVITY	PID	SIZE
1233B	Antibiotic	AG-CN2-0112	250 µg 1 mg
Ambuic acid	Quorum sensing modulator	AG-CN2-0129	250 µg 1 mg
Aranorosin	Antibacterial	AG-CN2-0114	250 µg 1 mg
Aspergillimide	Antibiotic	AG-CN2-0145	1 mg 5 mg
16-keto-Aspergillimide	Antibiotic	AG-CN2-0151	1 mg 5 mg
Aspergillin PZ	Antibiotic	AG-CN2-0162	1 mg 5 mg
Aspochalasin I	Melanogenesis inhibitor	AG-CN2-0168	1 mg 2.5 mg
Aspterric acid	Antibiotic	AG-CN2-0132	1 mg
Calpinactam	Specific antimycobacterial	AG-CN2-0131	250 µg 1 mg
Cycloaspeptide A	Antibiotic & Antimalaria agent	AG-CN2-0148	1 mg 5 mg
Cyclopenol	Antimicrobial & Phytotoxic	AG-CN2-0136	1 mg
Enterocin	Antibacterial	AG-CN2-0116	250 µg 1 mg
Fulvic acid	Potent antioxidant	AG-CN2-0135	1 mg 5 mg
17-Hydroxyventuricidin A	Antibacterial against Gram-positive	AG-CN2-0119	250 µg 1 mg
Lariatins A	Antimycobacterial	AG-CN2-0120	250 µg 1 mg
Malformin A1	Antibiotic	AG-CN2-0169	250 µg 1 mg
Malformin C (synthetic)	Peptide antibiotic / Anticancer compound	AG-CN2-0107	250 µg 1 mg
Martinomycin	Antibacterial	AG-CN2-0159	1 mg 5 mg
11-O-Methylpseurotin A	Antibacterial	AG-CN2-0121	250 µg 1 mg
Nocardamine	Siderophore	AG-CN2-0150	1 mg 5 mg
Palitantin	Antiprotozoal & Antifungal	AG-CN2-0140	1 mg
Siamycin I	Quorum sensing inhibitor	AG-CN2-0146	250 µg 1 mg
Virustomycin A	Antiprotozoal	AG-CN2-0157	1 mg 5 mg
Zelkovamycin	Antibacterial	AG-CN2-0128	250 µg 1 mg



Antiviral, Anti-Inflammatory & Immune Modulators

 Boromycin (HIV-1 integrase inhibitor) AG-CN2-0166	250 µg 1 mg	Herquiline A (Platelet aggregation inhibitor) AG-CN2-0170	250 µg 1 mg
Curvularin (Anti-inflammatory compound) AG-CN2-0147	1 mg 5 mg	Pyranonigrin A (Potent free radical scavenger) AG-CN2-0156	250 µg 1 mg
Fuscin (CCRS5 receptor antagonist) AG-CN2-0138	1 mg 2.5 mg	Rugulosin (HIV-1 integrase inhibitor) AG-CN2-0124	250 µg 1 mg
Neuroscience Research Reagents		NG 012 (NGF potentiator) AG-CN2-0155	1 mg 5 mg
Amauromine (Selective CB1 receptor antagonist) AG-CN2-0113	250 µg 1 mg	 Paxilline (Selective BKCa channel inhibitor) AG-CN2-0167	1 mg 5 mg
epi-Aszonalenin A (Substance P inhibitor) AG-CN2-0163	1 mg 5 mg	Quinolactacin A (AChE inhibitor) AG-CN2-0164	1 mg 5 mg
Cyclopenin (Specific AChE inhibitor) AG-CN2-0134	1 mg 5 mg	Territrem B (AChE inhibitor) AG-CN2-0142	500 µg 1 mg

Potent Antibiotics

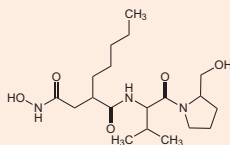
UNIQUE

Actinonin

AG-CN2-0161-M005 5 mg
AG-CN2-0161-M025 25 mg

Formula: C₁₉H₃₅N₃O₅
MW: 385.5
CAS: 13434-13-4

Antiproliferative. Shows antitumor activity *in vitro* and *in vivo*. Inhibits MMP-1, MMP-2, MMP-3, MMP-7, MMP-8, MMP-9, MMP-10, MMP-12 and MMP-13, but not MMP-14. Meprin A inhibitor. Aminopeptidase M, N and leucine and alanine aminopeptidase inhibitor.



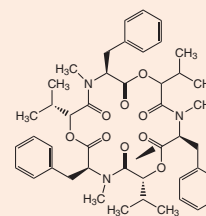
UNIQUE

Beauvericin

AG-CN2-0043-M001 1 mg
AG-CN2-0043-M005 5 mg

Formula: C₄₅H₅₇N₃O₉
MW: 784.0
CAS: 26048-05-5

Antiangiogenic compound that induces apoptosis. Causes mitochondrial dysfunction. Antibacterial, antiprotozoal, antiviral and antifungal compound. Potently interacts with ABCB1 and ABCG2 transport functions.



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EUROPE/REST OF WORLD

AdipoGen Life Sciences

TEL +41-61-926-60-40
FAX +41-61-926-60-49
info@adipogen.com

NORTH & SOUTH AMERICA

Adipogen Corp.

TEL +1-858-457-8383
FAX +1-858-457-8484
info-us@adipogen.com

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