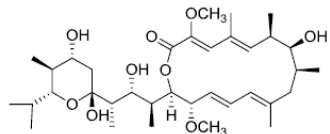


ATPase Inhibitors Microbial metabolites - a rich source of ATPase Inhibitors

Bafilomycin A1 CAS Number. 88899-55-2

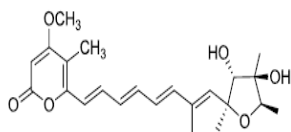


Bafilomycin A1 is a member of a potent family of macrocyclic lactones with broad spectrum biological activity, including activity against bacteria, yeast, fungi, nematodes, insects and tumour cell lines. Bafilomycin A1 is an inhibitor of vacuolar-type ATPase.
Related Product(s): Bafilomycin B1 , Bafilomycin C1 , Bafilomycin D

Citreoviridin CAS Number. 25425-12-1

Code No.: **BIA-C1241**

Pack sizes: **1 mg, 5 mg**

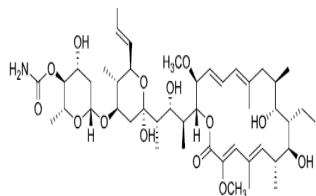


Alternate name(s): Citreoviridin A
Citreoviridin is the dominant analogue of a family of tetraene mycotoxins with potent neurotoxic effects, produced by several species of *Aspergillus* and *Penicillium*. Citreoviridin inhibits mitochondrial ATPase and is a causative agent of cardiac beriberi.

Concanamycin A CAS Number. 80890-47-7

Code No.: **BIA-C1021**

Pack sizes: **0.25 mg, 1 mg**

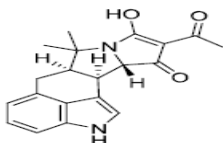


Alternate name(s): Folimycin, TAN 1323B
Concanamycin A is the major analogue of the concanamycin complex produced by *Streptomyces* sp.. It has been shown to act as a potent and specific vacuolar-ATPase inhibitor. Concanamycin A inhibits the acidification of organelles and blocks cell surface expression of viral envelope glycoproteins without affecting their synthesis.
Related product(s): ConcanamycinB

Cyclopiazonic acid CAS Number. 18172-33-3

Code No.: **BIA-C1244**

Pack sizes: **1 mg, 5 mg**



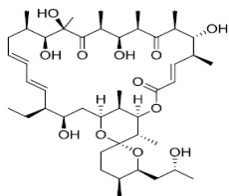
Cyclopiazonic acid is a tremorgenic indole produced by several species of *Aspergillus* and *Penicillium*. Cyclopiazonic acid is a highly specific inhibitor of calcium ATPase of sarcoplasmic reticulum, altering calcium homeostasis and ATP-dependent calcium transport and resulting in the release of intracellular stored Ca²⁺ without increasing IP₃.

Hydroxyoligomycin A, 21-

CAS Number. 102042-09-1

Code No.: **BIA-O1062**

Pack sizes: **1 mg, 5 mg**

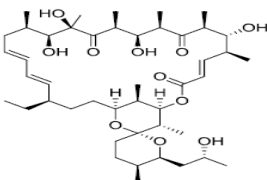


Alternate name(s): Nemadectin omega, LL-F28249 omega
21-Hydroxyoligomycin A is a rare member of the oligomycin class isolated as a co-metabolite of nemadectin, hence its original naming as nemadectin omega. Only limited literature references to this metabolite are available. However, in-house testing suggests that 21-hydroxyoligomycin has a more selective action against mammalian tumour cell lines than oligomycin A, exhibiting only weak antifungal and nematocidal activity.

Oligomycin A CAS Number. 579-13-5

Code No.: **BIA-O1059**

Pack sizes: **5 mg, 25 mg**

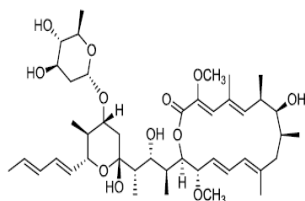


Oligomycin A is the dominant analogue of a class macrocyclic lactones isolated from selected strains of *Streptomyces* sp.. Oligomycin A is an inhibitor of mitochondrial F1F0-ATPase. It induces apoptosis in a variety of cell types, makes cells more susceptible to cell death, and also leads to a switch in the death mode from apoptosis to necrosis. Oligomycin A exhibits a broad biological profile including antifungal, antitumour and nematocidal activities.
Related Product(s): Oligomycin B , Oligomycin C , Oligomycin D , Oligomycin E

PC-766B CAS Number. 108375-77-5

Code No.: **BIA-P1554**

Pack sizes: **1 mg, 5 mg**



PC-766B is a 16-membered macrolide antibiotic produced by *Nocardia brasiliensis*, reported by researchers at Sumitomo in 1993. Structurally, PC-766B is a member of bafilomycin class, featuring a rare butadiene side-chain. PC-766B is active against Gram positive bacteria, and some fungi and yeasts, but is inactive against Gram negative bacteria. It shows antitumor activity against murine tumor cells in vitro and in vivo, and weak inhibitory activity against Na/K-ATPase in vitro.
Related Product(s): Hygrolidin , Leucanicidin