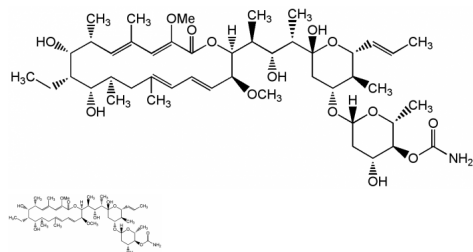


Concanamycin A (high purity)



1mg

Rating: Not Rated Yet

Price

Sales price 7700 ?

Discount

[Ask a question about this product](#)Manufacturer[BioViotica](#)**Description Product Details**

Synonyms	Folimycin; Antibiotic TAN 1323B; Antibiotic X4357B
Product Type	Chemical
Properties	
Formula	C ₄₆ H ₇₅ NO ₁₄
MW	866.1
CAS	80890-47-7
RTECS	CB9732000
Source/Host Chemicals	Isolated from Streptomyces sp.
Purity Chemicals	?98% (HPLC)
Appearance	White to off-white solid.
Solubility	Soluble in methanol, DMSO or acetonitrile; insoluble in water.
Identity	Determined by 1H-NMR.
Declaration	Manufactured by BioViotica.
InChi Key	DJZCTUVALDDONK- MSPZYORZSA-N
Shipping and Handling	
Shipping	AMBIENT
Short Term Storage	+4°C
Long Term Storage	-20°C
Handling Advice	Protect from light when in solution.
Use/Stability	Stable for at least 1 year after receipt when stored at -20°C. After reconstitution protect from light at -20°C.

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.

Inhibitor of autophagic degradation by rising lysosomal pH and thus inactivating the lysosomal acid hydrolases.

Uncategorized : Concanamycin A (high purity)

Blocks cell surface expression of viral glycoproteins without affecting their synthesis.

Cytotoxic in a number of cell lines in a cell viability assay.

Induces nitric oxide (NO) production.

Product References

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Estimating the rotation rate in the vacuolar proton-ATPase in native yeast vacuolar membranes: Z. Ferencz, et al.; Eur. Biophys. J. 42, 147 (2013)

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Appropriate vacuolar acidification in *Saccharomyces cerevisiae* is associated with efficient high sugar fermentation: T.D. Nguyen, et al.; Food Microbiology 70, 262 (2018)

Reviews

There are yet no reviews for this product.