

Product datasheet

Concanamycin A (Folimycin). Potent, selective vacuolar-type H⁺-ATPase inhibitor. **ab144227**

[9 References](#) [1 Image](#)

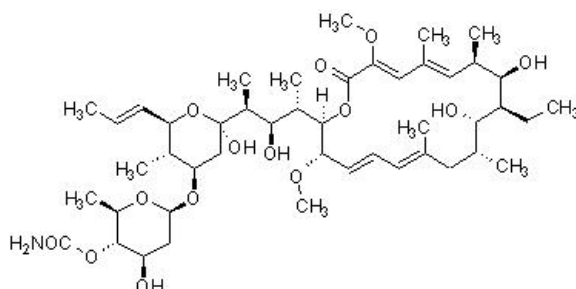
Overview

Product name	Concanamycin A (Folimycin). Potent, selective vacuolar-type H ⁺ -ATPase inhibitor.
Description	Potent, selective vacuolar-type H ⁺ -ATPase inhibitor. Macrolide antibiotic agent.
Biological description	Potent, selective vacuolar-type H ⁺ -ATPase inhibitor (K _i = 0.02 nM). Macrolide antibiotic agent. Concanamycin B and C (ab144228 and ab144229 , respectively) analog. Shows antiproliferative and potent antifungal effects. Shows antimalarial effects <i>in vivo</i> .

Purity > 90%

CAS Number 80890-47-7

Chemical structure



Properties

Chemical name	(3Z,5E,7R,8R,9S,10S,11R,13E,15E,17S,18R)-18-[(1S,2R,3S)-3-[(2R,4R,5S,6R)-4-[[4-O-(Aminocarbonyl)-2,6-dideoxy-β-D-arabinohexopyranosyl]oxy]tetrahydro-2-hydroxy-5-methyl-6-(1E)-1-propen-1-yl-2H-pyran-2-yl]-2-hydroxy-1-methylbutyl]-9-ethyl-8,10-dihydroxy-3,17-dimethoxy-5,7,11,13-tetramethyloxacyclooctadeca-3,5,13,15-tetraen-2-one
Molecular weight	866.10
Molecular formula	C ₄₆ H ₇₅ NO ₁₄
PubChem identifier	6438151
Storage instructions	Store at -20°C. It is important to note that this product is reported to be light sensitive. Store in the Dark. Store under desiccating conditions.
Solubility overview	Soluble in DMSO
Handling	This product is supplied in one (or more) pack size which is freeze dried. Therefore the contents

may not be readily visible, as they can coat the bottom or walls of the vial. Please see our [FAQs](#) and [information page](#) for more details on handling.

Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour.

Toxic, refer to SDS for further information

Need more advice on solubility, usage and handling? Please visit our [frequently asked questions \(FAQ\) page](#) for more details.

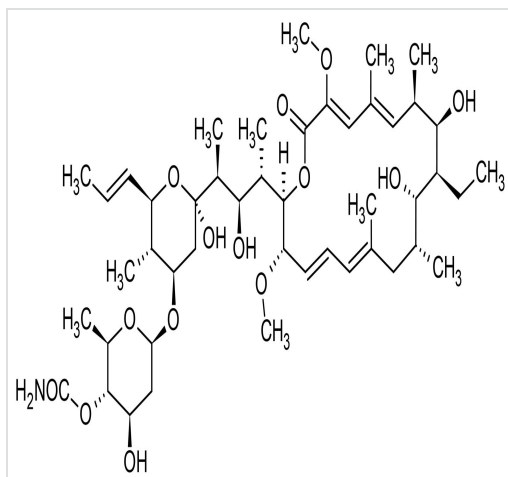
SMILES

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Source

Streptomyces sp.

Images



2D chemical structure image of ab144227, Concanamycin A (Folimycin). Potent, selective vacuolar-type H⁺-ATPase inhibitor.

Chemical Structure - Concanamycin A

(Folimycin). Potent, selective vacuolar-type H⁺-ATPase inhibitor. (ab144227)

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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