

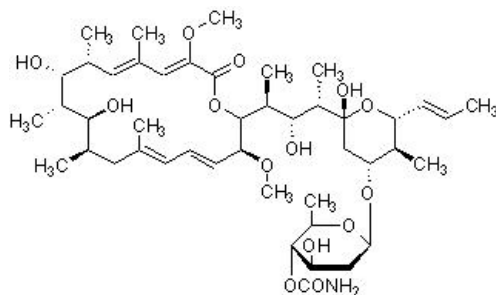
Product datasheet

Concanamycin B, H<sup>+</sup>-ATPase inhibitor ab144228

1 References 1 Image

Overview

<b>Product name</b>	Concanamycin B, H <sup>+</sup> -ATPase inhibitor
<b>Description</b>	Potent, selective vacuolar type H <sup>+</sup> -ATPase inhibitor. Antibiotic agent.
<b>Biological description</b>	Potent, selective vacuolar type H <sup>+</sup> -ATPase inhibitor. Antibiotic agent. Induces EGF-dependent apoptosis. Shows similar effects as Concanamycin A ( <a href="#">ab144227</a> ) and Concanamycin C ( <a href="#">ab144229</a> ). Shows potent antiviral effects (IC <sub>50</sub> = 6 nM, HSV-1 replication).
<b>Purity</b>	> 98%
<b>CAS Number</b>	81552-33-2
<b>Chemical structure</b>	



Properties

<b>Chemical name</b>	[(2R,3S,4R,6R)-6-[(2R,4R,5S,6R)-2-[(2S,3R,4S)-4-[(2R,3S,4E,6E,9R,10S,11S,12R,13R,14E,16Z)-10,12-dihydroxy-3,17-dimethoxy-7,9,11,13,15-pentamethyl-18-oxo-1-oxacyclooctadeca-4,6,14,16-tetraen-2-yl]-3-hydroxypentan-2-yl]-2-hydroxy-5-methyl-6-[(E)-prop-1-enyl]oxan-4-yl]oxy-4-hydroxy-2-methyloxan-3-yl] carbamate
<b>Molecular weight</b>	852.06
<b>Molecular formula</b>	C <sub>45</sub> H <sub>73</sub> NO <sub>14</sub>
<b>PubChem identifier</b>	6440685
<b>Storage instructions</b>	Store at -20°C. Store under desiccating conditions. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO
<b>Handling</b>	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.

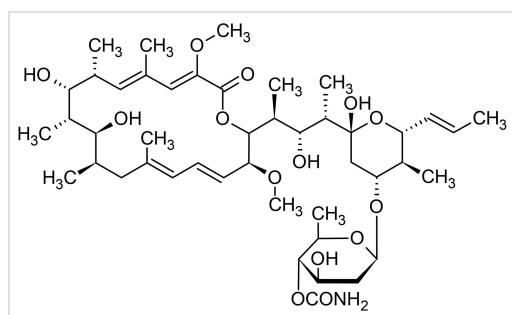
## SMILES

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## Source

*Streptomyces* sp.

## Images



2D chemical structure image of ab144228, Concanamycin B, H<sup>+</sup>-ATPase inhibitor

Chemical Structure - Concanamycin B, H<sup>+</sup>-ATPase inhibitor (ab144228)

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

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