

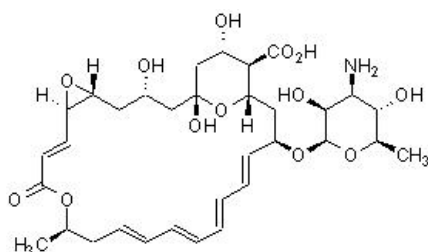
Product datasheet

Natamycin (Pimaricin), Protein synthesis inhibitor  
ab142694

Overview

<b>Product name</b>	Natamycin (Pimaricin), Protein synthesis inhibitor
<b>Description</b>	Protein synthesis inhibitor. Shows antifungal properties.
<b>Biological description</b>	Protein synthesis inhibitor. Binds to the ribosomal 50S subunit. Shows antifungal properties.
<b>Purity</b>	> 98%
<b>CAS Number</b>	7681-93-8

Chemical structure



Properties

<b>Chemical name</b>	(1 <i>R</i> ,3 <i>S</i> ,5 <i>R</i> ,7 <i>R</i> ,8 <i>E</i> ,12 <i>R</i> ,14 <i>E</i> ,16 <i>E</i> ,18 <i>E</i> ,20 <i>E</i> ,22 <i>R</i> ,24 <i>S</i> ,25 <i>R</i> ,26 <i>S</i> )-22-[(3-Amino-3,6-dideoxy-D-mannopyranosyl)oxy]-1,3,26-trihydroxy-12-methyl-10-oxo-6,11,28-trioxatricyclo[22.3.1.0 <sup>5,7</sup> ]octacosane-8,14,16,18,20-pentaene-25-carboxylic acid
<b>Molecular weight</b>	665.73
<b>Molecular formula</b>	C <sub>33</sub> H <sub>47</sub> NO <sub>13</sub>
<b>PubChem identifier</b>	5281099
<b>Storage instructions</b>	Store at +4°C. The product can be stored for up to 12 months.
<b>Solubility overview</b>	Soluble in DMSO to 10 mM
<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.  Need more advice on solubility, usage and handling? Please visit our <a href="#">frequently asked questions (FAQ) page</a> for more details.
<b>SMILES</b>	CC1CC=CC=CC=CC=CC(CC2C(C(CC(O2)

(CC(CC3C(O3)C=CC(=O)O1)O)O)C(=O)OC4C(C(C(C(O4)C)O)N)O

**Source**

Synthetic

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

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