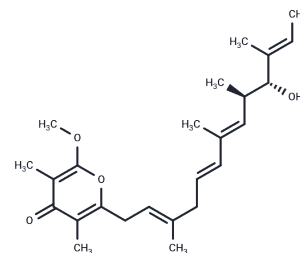


Actinopyrone A

Chemical Properties

CAS No. :	88378-59-0
Formula:	C ₂₅ H ₃₆ O ₄
Molecular Weight:	400.559
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Actinopyrone A is a pyrone isolated from <i>S. pactum</i> with diverse biological activities. It has selective and potent antimicrobial activity against <i>H. pylori</i> (MIC = 0.1 ng/mL) with no activity against other Gram-negative bacteria including <i>E. coli</i> , <i>K. pneumoniae</i> , <i>P. aeruginosa</i> , and <i>B. fragilis</i> . Actinopyrone A also mildly inhibits growth of Gram-positive bacteria and dermatophytes with MIC values ranging from <6.25 to 25 µg/mL. Intravenous administration of actinopyrone A (30 µg/kg) increases coronary blood flow in dogs by 196.2%.
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Solubility Information

Solubility	DMSO: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4965 mL	12.4825 mL	24.965 mL
5 mM	0.4993 mL	2.4965 mL	4.993 mL
10 mM	0.2497 mL	1.2483 mL	2.4965 mL
50 mM	0.0499 mL	0.2497 mL	0.4993 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only· Not for Human or Veterinary or Therapeutic Use

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