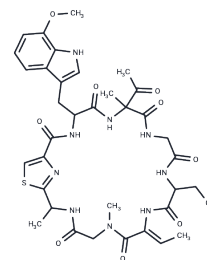


Zelkovamycin

Chemical Properties

CAS No. :	221197-33-7
Formula:	C ₃₆ H ₄₅ N ₉ O ₉ S
Molecular Weight:	779.87
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Zelkovamycin is a cyclic peptide antibiotic isolated from <i>Streptomyces</i> , known to inhibit growth of <i>X. oryzae</i> , <i>P. oryzae</i> , <i>S. aureus</i> , and <i>A. laidlawii</i> in a concentration-dependent manner at concentrations ranging from 0.01 to 300 µg/ml.
Targets(IC50)	Others,Antibacterial

Solubility Information

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

	1mg	5mg	10mg
1 mM	1.2823 mL	6.4113 mL	12.8226 mL
5 mM	0.2565 mL	1.2823 mL	2.5645 mL
10 mM	0.1282 mL	0.6411 mL	1.2823 mL
50 mM	0.0256 mL	0.1282 mL	0.2565 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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Zhang, H., Tomoda, H., Tabata, N., et al. Zelkovamycin, a new cyclic peptide antibiotic from *Streptomyces* sp. K96-0670. I. Production, isolation and biological properties. *J. Antibiot. (Tokyo)* 52(1), 29-33 (1999).

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