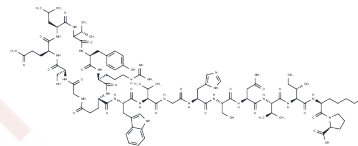


Lariatrin A

Chemical Properties

CAS No. :	732286-09-8
Formula:	C94H143N27O25
Molecular Weight:	2051.342
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Lariatrin A is an antimycobacterial lasso peptide originally isolated from <i>R. jostii</i> . It is active against <i>M. tuberculosis</i> and <i>M. smegmatis</i> in vitro (MICs = 0.39 and 0.1 µg/ml, respectively). Lariatrin A increases survival in a silkworm model of <i>M. smegmatis</i> infection (ED50 = 0.5 µg/g).
Targets(IC50)	Antibacterial

Solubility Information

Solubility	Methanol: Soluble H2O: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.4875 mL	2.4374 mL	4.8749 mL
5 mM	0.0975 mL	0.4875 mL	0.975 mL
10 mM	0.0487 mL	0.2437 mL	0.4875 mL
50 mM	0.0097 mL	0.0487 mL	0.0975 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.

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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