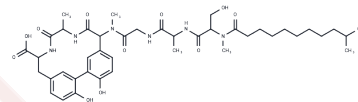


Arylomycin A2

Chemical Properties

CAS No. :	459844-20-3
Formula:	C42H60N6O11
Molecular Weight:	824.96
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	Arylomycin A2, a lipopeptide antibiotic, functions as a type I signal peptidase (SPase I) inhibitor. Arylomycin A2 exhibits antibacterial properties [1].
Targets(IC50)	Antibacterial, Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2122 mL	6.0609 mL	12.1218 mL
5 mM	0.2424 mL	1.2122 mL	2.4244 mL
10 mM	0.1212 mL	0.6061 mL	1.2122 mL
50 mM	0.0242 mL	0.1212 mL	0.2424 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

Mark Paetzel, et al. Crystallographic and biophysical analysis of a bacterial signal peptidase in complex with a lipopeptide-based inhibitor. *J Biol Chem.* 2004 Jul 16;279(29):30781-90.

Katrijn Bockstael, et al. Evaluation of the type I signal peptidase as antibacterial target for biofilm-associated infections of *Staphylococcus epidermidis*. *Microbiology (Reading).* 2009 Nov;155(Pt 11):3719-3729.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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