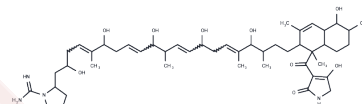


Lydicamycin

Chemical Properties

CAS No. :	133352-27-9
Formula:	C47H74N4O10
Molecular Weight:	855.127
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	Lydicamycin is a new antibiotic isolated from the fermentation broth of an actinomycete strain identified as <i>Streptomyces solani</i> . Lydicamycin is active against Gram-positive bacteria and certain yeasts, but inactive against Gram-negative bacteria. [2]
Targets(IC50)	Others,Antibacterial,Antibiotic

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1694 mL	5.8471 mL	11.6941 mL
5 mM	0.2339 mL	1.1694 mL	2.3388 mL
10 mM	0.1169 mL	0.5847 mL	1.1694 mL
50 mM	0.0234 mL	0.1169 mL	0.2339 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

- Komaki H, et al. Draft genome sequence of marine-derived *Streptomyces* sp. TP-A0598, a producer of anti-MRSA antibiotic lydicamycins. *Stand Genomic Sci.* 2015 Aug 26;10:58.
- Hayakawa Y, et al. Lydicamycin, a new antibiotic of a novel skeletal type. I. Taxonomy, fermentation, isolation and biological activity. *J Antibiot (Tokyo)*. 1991 Mar;44(3):282-7.
- Furumai T, Eto K, Sasaki T, Higuchi H, Onaka H, Saito N, Fujita T, Naoki H, Igarashi Y. TPU-0037-A, B, C and D, novel lydicamycin congeners with anti-MRSA activity from *Streptomyces platensis* TP-A0598. *J Antibiot (Tokyo)*. 2002 Oct; 55(10):873-80. PubMed PMID: 12523820.
- Toda S, Yamamoto S, Tenmyo O, Tsuno T, Hasegawa T, Rosser M, Oka M, Sawada Y, Konishi M, Oki T. A new neuritogenic compound BU-4514N produced by *Microtetraspora* sp. *J Antibiot (Tokyo)*. 1993 Jun;46(6):875-83. PubMed PMID: 8344867.

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