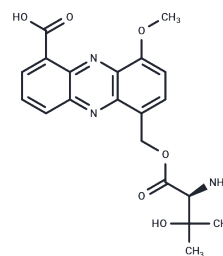


Pelagiomicin A

Chemical Properties

CAS No. :	173485-80-8
Formula:	C ₂₀ H ₂₁ N ₃ O ₆
Molecular Weight:	399.4
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	Pelagiomicin A is used as an anticancer antibiotic produced by the marine bacterium <i>Pelagibacter variabilis</i> .
Targets(IC50)	Others, Antibacterial

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5038 mL	12.5188 mL	25.0376 mL
5 mM	0.5008 mL	2.5038 mL	5.0075 mL
10 mM	0.2504 mL	1.2519 mL	2.5038 mL
50 mM	0.0501 mL	0.2504 mL	0.5008 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

Imamura N, Nishijima M, Takadera T, Adachi K, Sakai M, Sano H. New anticancer antibiotics pelagiomicins, produced by a new marine bacterium *Pelagibacter variabilis*. *J Antibiot (Tokyo)*. 1997 Jan;50(1):8-12. PubMed PMID: 9066759.

Singh MP, Menendez AT, Petersen PJ, Ding WD, Maiese WM, Greenstein M. Biological and mechanistic activities of phenazine antibiotics produced by culture LL-141352. *J Antibiot (Tokyo)*. 1997 Sep;50(9):785-7. PubMed PMID: 9360627.

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