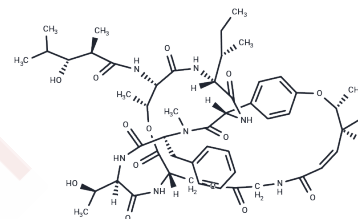


Salinamide A

Chemical Properties

CAS No. :	152340-22-2
Formula:	C ₅₁ H ₆₉ N ₇ O ₁₅
Molecular Weight:	1020.147
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	Salinamide A is an effective anti-inflammatory bicyclic depsipeptide.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9802 mL	4.9012 mL	9.8025 mL
5 mM	0.196 mL	0.9802 mL	1.9605 mL
10 mM	0.098 mL	0.4901 mL	0.9802 mL
50 mM	0.0196 mL	0.098 mL	0.196 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

- Degen D, Feng Y, Zhang Y, Ebricht KY, Ebricht YW, Gigliotti M, Vahedian-Movahed H, Mandal S, Talaue M, Connell N, Arnold E, Fenical W, Ebricht RH. Transcription inhibition by the depsipeptide antibiotic salinamide A. *Elife*. 2014 Apr 30;3:e02451. doi: 10.7554/eLife.02451. PubMed PMID: 24843001; PubMed Central PMCID: PMC4029172.
- Tan L, Ma D. Total synthesis of salinamide A: a potent anti-inflammatory bicyclic depsipeptide. *Angew Chem Int Ed Engl*. 2008;47(19):3614-7. doi: 10.1002/anie.200800397. PubMed PMID: 18383490.
- Ray L, Yamanaka K, Moore BS. A Peptidyl-Transesterifying Type I Thioesterase in Salinamide Biosynthesis. *Angew Chem Int Ed Engl*. 2016 Jan 4;55(1):364-7. doi: 10.1002/anie.201508576. Epub 2015 Nov 10. PubMed PMID: 26553755; PubMed Central PMCID: PMC4715598.

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