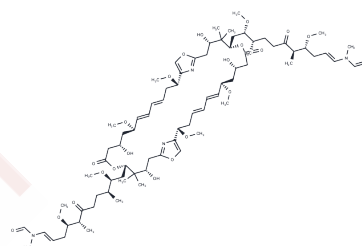


Rhizopodin

Chemical Properties

CAS No. :	150346-23-9
Formula:	C78H124N4O22
Molecular Weight:	1469.856
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	Rhizopodin is a potent natural macrolide antibiotic that effectively affects the actin cytoskeleton at nanomolar concentrations.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.6803 mL	3.4017 mL	6.8034 mL
5 mM	0.1361 mL	0.6803 mL	1.3607 mL
10 mM	0.068 mL	0.3402 mL	0.6803 mL
50 mM	0.0136 mL	0.068 mL	0.1361 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

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- Dalby SM, Goodwin-Tindall J, Paterson I. Total synthesis of (-)-rhizopodin. *Angew Chem Int Ed Engl*. 2013 Jun 17;52(25):6517-21. doi: 10.1002/anie.201301978. Epub 2013 May 6. PubMed PMID: 23650089.
- Pulukuri KK, Chakraborty TK. Formal synthesis of actin binding macrolide rhizopodin. *Org Lett*. 2014 Apr 18;16(8):2284-7. doi: 10.1021/ol5008179. Epub 2014 Apr 10. PubMed PMID: 24742162.
- Oku N, Matsumoto A, Matsunaga T, Asano Y, Kasai H, Matoba S, Igarashi Y. Two new ring-contracted congeners of rhizopodin illustrate significance of the ring moiety of macrolide toxins on the actin disassembly-mediated cytotoxicity. *Chem Pharm Bull (Tokyo)*. 2014;62(3):294-300. PubMed PMID: 24583785.

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