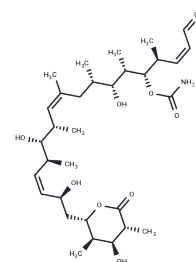


Disermolide

Chemical Properties

CAS No. :	127943-53-7
Formula:	C33H55NO8
Molecular Weight:	593.802
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	Disermolide is a polyketide natural product found to stabilize microtubules. Disermolide was found to be a potent inhibitor of tumor cell growth in several MDR cancer cell lines.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.6841 mL	8.4203 mL	16.8407 mL
5 mM	0.3368 mL	1.6841 mL	3.3681 mL
10 mM	0.1684 mL	0.842 mL	1.6841 mL
50 mM	0.0337 mL	0.1684 mL	0.3368 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

- Terwilliger DW, Trauner D. Selective Synthesis of Divergolide I. *J Am Chem Soc.* 2018 Feb 28;140(8):2748-2751. doi: 10.1021/jacs.7b13092. Epub 2018 Feb 15. PubMed PMID: 29376358.
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- Xu Z, Baunach M, Ding L, Peng H, Franke J, Hertweck C. Biosynthetic code for divergolide assembly in a bacterial mangrove endophyte. *Chembiochem.* 2014 Jun 16;15(9):1274-9. doi: 10.1002/cbic.201402071. Epub 2014 May 27. PubMed PMID: 24867126.
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