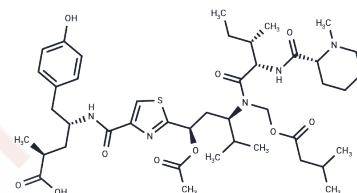


Tubulysin A

Chemical Properties

CAS No. :	205304-86-5
Formula:	C ₄₃ H ₆₅ N ₅ O ₁₀ S
Molecular Weight:	844.07
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	Tubulysin A is a natural product from myxobacterial. It has many function in vitro assays, including anti-microtubule, anti-mitotic, an apoptosis inducer, anticancer, and anti-angiogenic.
Targets(IC50)	Microtubule Associated, Antibiotic, ADC Cytotoxin

Solubility Information

Solubility	DMSO: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.1847 mL	5.9237 mL	11.8474 mL
5 mM	0.2369 mL	1.1847 mL	2.3695 mL
10 mM	0.1185 mL	0.5924 mL	1.1847 mL
50 mM	0.0237 mL	0.1185 mL	0.2369 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

- Kaur G, et al. Biological evaluation of tubulysin A: a potential anticancer and antiangiogenic natural product. *Biochem J.* 2006 Jun 1;396(2):235-42.
- Khalil MW, et al. Mechanism of action of tubulysin, an antimetabolic peptide from myxobacteria. *Chembiochem.* 2006 Apr;7(4):678-83.

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