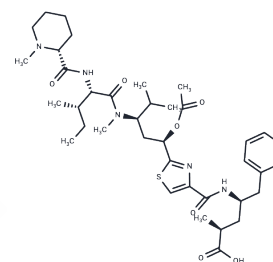


Tubulysin M

Chemical Properties

CAS No. :	936691-46-2
Formula:	C ₃₈ H ₅₇ N ₅ O ₇ S
Molecular Weight:	727.95
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 M is a natural product isolated from the myxobacterial species Archangium geophyra and Angiococcus disciformis, and is a highly cytotoxic peptide. Tubulysin M is a cytotoxic activity tubulysin that inhibits tubulin polymerization and leads to cell cycle arrest and apoptosis.
Targets(IC50)	Microtubule Associated,ADC Cytotoxin

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.3737 mL	6.8686 mL	13.7372 mL
5 mM	0.2747 mL	1.3737 mL	2.7474 mL
10 mM	0.1374 mL	0.6869 mL	1.3737 mL
50 mM	0.0275 mL	0.1374 mL	0.2747 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

- Wang Y, et al. Structural Insights into the Pharmacophore of Vinca Domain Inhibitors of Microtubules. *Mol Pharmacol.* 2016 Feb;89(2):233-42.
- Kubicek K, et al. The tubulin-bound structure of the antimitotic drug tubulysin. *Angew Chem Int Ed Engl.* 2010 Jun 28;49(28):4809-12.
- Vlahov IR, et al. Acid mediated formation of an N-acyliminium ion from tubulysins: a new methodology for the synthesis of natural tubulysins and their analogs. *Bioorg Med Chem Lett.* 2011 Nov 15;21(22):6778-81.

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