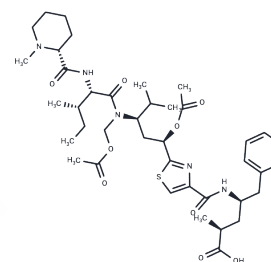


Tubulysin H

Chemical Properties

CAS No. :	799822-09-6
Formula:	C40H59N5O9S
Molecular Weight:	785.99
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 H is a natural product isolated from the myxobacterial species Archangium geophyra and Angiococcus disciformis, and is a highly cytotoxic peptide. Tubulysin H 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	1.2723 mL	6.3614 mL	12.7228 mL
5 mM	0.2545 mL	1.2723 mL	2.5446 mL
10 mM	0.1272 mL	0.6361 mL	1.2723 mL
50 mM	0.0254 mL	0.1272 mL	0.2545 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

- Steinmetz H, et al. Isolation, crystal and solution structure determination, and biosynthesis of tubulysins--powerful inhibitors of tubulin polymerization from myxobacteria. *Angew Chem Int Ed Engl.* 2004 Sep 20;43(37):4888-92.
- 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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