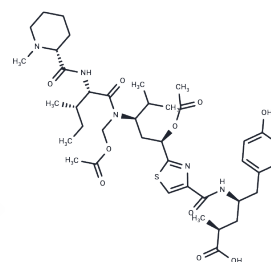


## Tubulysin I

## Chemical Properties

CAS No. :	799822-10-9
Formula:	C40H59N5O10S
Molecular Weight:	801.99
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 I is a natural product isolated from the myxobacterial species Archangium geophyra and Angiococcus disciformis, and is a highly cytotoxic peptide. Tubulysin I is a cytotoxic activity tubulysin which 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	1.2469 mL	6.2345 mL	12.469 mL
5 mM	0.2494 mL	1.2469 mL	2.4938 mL
10 mM	0.1247 mL	0.6234 mL	1.2469 mL
50 mM	0.0249 mL	0.1247 mL	0.2494 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

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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