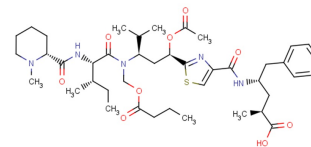


Tubulysin E

Chemical Properties

CAS No.:	309935-58-8
Formula:	C ₄₂ H ₆₃ N ₅ O ₉ S
Molecular Weight:	814.04
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	Tubulysin E is a natural product isolated from the myxobacterial species <i>Archangium geophyra</i> and <i>Angiococcus disciformis</i> , and is a highly cytotoxic peptide.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.228 mL	6.142 mL	12.284 mL
5 mM	0.246 mL	1.228 mL	2.457 mL
10 mM	0.123 mL	0.614 mL	1.228 mL
50 mM	0.025 mL	0.123 mL	0.246 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Kubicek K, et al. The tubulin-bound structure of the antimetabolic drug tubulysin. *Angew Chem Int Ed Engl.* 2010 Jun 28;49(28):4809-12.
2. 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.

Inhibitors · Natural Compounds · Compound Libraries

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