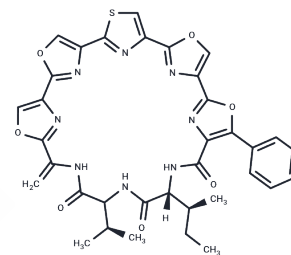


Mechercharmycin A

Chemical Properties

CAS No. :	822520-96-7
Formula:	C ₃₅ H ₃₂ N ₈ O ₇ S
Molecular Weight:	708.75
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	Mechercharmycin A, a cytotoxic compound, was isolated from <i>Thermoactinomyces</i> sp. YM3-251, a marine source. It demonstrates potent antitumor activity.
Targets(IC50)	Apoptosis,Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.4109 mL	7.0547 mL	14.1093 mL
5 mM	0.2822 mL	1.4109 mL	2.8219 mL
10 mM	0.1411 mL	0.7055 mL	1.4109 mL
50 mM	0.0282 mL	0.1411 mL	0.2822 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

- Kanoh K, et, al. Mechercharmycins A and B, cytotoxic substances from marine-derived *Thermoactinomyces* sp. YM3-251. *J Antibiot* (Tokyo). 2005 Apr;58(4):289-92.
- Hernández D, et, al. Synthesis and antitumor activity of mechercharmycin A analogues. *J Med Chem*. 2008 Sep 25; 51(18):5722-30.

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