

Microcyclamide

Chemical Properties

CAS No. :	297730-40-6
Formula:	C ₂₆ H ₃₀ N ₈ O ₄ S ₂
Molecular Weight:	582.7
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

Biological Description

Description	Microcyclamide (Compound 1) is a cytotoxic cyclic hexapeptide and a secondary metabolite derived from microorganisms. It can be isolated from the cyanobacterium <i>Microcystis aeruginosa</i> . Microcyclamide exhibits moderate cytotoxicity against P388 murine leukemia cells, with an IC ₅₀ of 1.2 µg/mL, and is utilized in cancer research.
Targets(IC50)	Endogenous Metabolite

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.7161 mL	8.5807 mL	17.1615 mL
5 mM	0.3432 mL	1.7161 mL	3.4323 mL
10 mM	0.1716 mL	0.8581 mL	1.7161 mL
50 mM	0.0343 mL	0.1716 mL	0.3432 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.

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