

Biselyngbyolide B

Chemical Properties

CAS No. :	1784755-74-3
Formula:	C ₂₇ H ₄₀ O ₄
Molecular Weight:	428.6
Storage:	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	Biselyngbyolide B, an anticancer marine macrolide, can be isolated from the marine cyanobacterium Lyngbya sp. It acts as an ER stress inducer [1] [2].
In vitro	Biselyngbyolide B exhibits cytotoxic effects on HEK293T and HCT116 cells, with IC50 values of 20.6 μM and 3.2 μM, respectively [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.3332 mL	11.6659 mL	23.3318 mL
5 mM	0.4666 mL	2.3332 mL	4.6664 mL
10 mM	0.2333 mL	1.1666 mL	2.3332 mL
50 mM	0.0467 mL	0.2333 mL	0.4666 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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