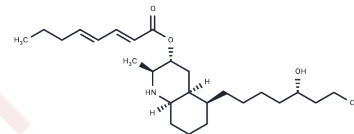


Lepadin H

Chemical Properties

CAS No. :	412328-25-7
Formula:	C ₂₆ H ₄₅ N ₃ O ₃
Molecular Weight:	419.64
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	Lepadin H, a marine alkaloid and ferroptosis inducer, exhibits significant cytotoxicity by promoting p53 expression, escalating ROS production, and enhancing lipid peroxidation. It simultaneously decreases SLC7A11 and GPX4 levels while upregulating ACSL4 expression, thereby inducing ferroptosis via the p53-SLC7A11-GPX4 pathway [1].
Targets(IC50)	Ferroptosis

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.383 mL	11.915 mL	23.8299 mL
5 mM	0.4766 mL	2.383 mL	4.766 mL
10 mM	0.2383 mL	1.1915 mL	2.383 mL
50 mM	0.0477 mL	0.2383 mL	0.4766 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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