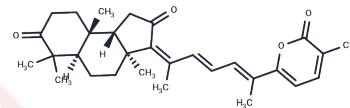


Stelletin B

Chemical Properties

CAS No. :	184885-91-4
Formula:	C ₃₀ H ₃₈ O ₄
Molecular Weight:	462.62
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	Stelletin B, a triterpene compound isolated from the marine sponge <i>Jaspis stellifera</i> , has demonstrated notable anticancer properties. It induces G1 phase arrest, apoptosis, and autophagy in human non-small cell lung cancer A549 cells by inhibiting the PI3K/Akt/mTOR pathway. Additionally, Stelletin B reduces migration and invasion in hepatocellular carcinoma cells through the suppression of the MAPK and FAK/PI3K/AKT/mTOR signaling pathways. This compound is utilized in various cancer research studies.
Targets(IC50)	Apoptosis,FAK,Akt,Autophagy,mTOR,PI3K

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1616 mL	10.808 mL	21.616 mL
5 mM	0.4323 mL	2.1616 mL	4.3232 mL
10 mM	0.2162 mL	1.0808 mL	2.1616 mL
50 mM	0.0432 mL	0.2162 mL	0.4323 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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