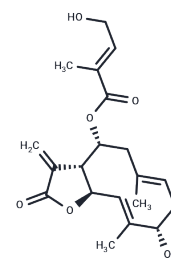


Eupalinolide K

Chemical Properties

CAS No. :	108657-10-9
Formula:	C ₂₀ H ₂₆ O ₆
Molecular Weight:	362.42
Storage:	Keep away from direct sunlight 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	Eupalinolide K is a natural sesquiterpene lactone suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others
In vitro	Eupalinolide K (100µM) significantly reduces the phosphorylation level of PI3K induced by LPS in A549 cells [2].

Solubility Information

Solubility	H ₂ O: 4 mg/mL (11.04 mM), Sonication is recommended. DMSO: 40 mg/mL (110.37 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7592 mL	13.7961 mL	27.5923 mL
5 mM	0.5518 mL	2.7592 mL	5.5185 mL
10 mM	0.2759 mL	1.3796 mL	2.7592 mL
50 mM	0.0552 mL	0.2759 mL	0.5518 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

Precise discovery of a STAT3 inhibitor from Eupatorium lindleyanum and evaluation of its activity of anti-triple-negative breast cancer. *Natural Product Research*, 2017, 33(4):477-485.

Luo C, et al. Multi-Omics and Experimental Insights into the Protective Effects of Sesquiterpenoid Lactones from Eupatorium lindleyanum DC. in Acute Lung Injury: Regulation of PI3K-Akt and MAPK-NF- κ B Pathways. *Pharmaceuticals (Basel)*. 2025 Oct 10;18(10):1523.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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