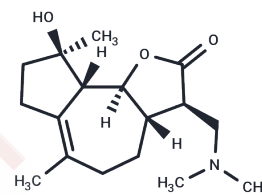


Dimethylaminomicheliolide HCl

Chemical Properties

CAS No. :	1403357-80-1
Formula:	C ₁₇ H ₂₈ ClNO ₃
Molecular Weight:	329.86
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



HCl

Biological Description

Description	Dimethylaminomicheliolide HCl has potential anti-inflammatory and anti-tumor activity and inhibits the proliferation of glioblastoma cells by targeting pyruvate kinase 2 (PKM2) and reconnecting aerobic cell populations.
Targets(IC50)	PKM

Solubility Information

Solubility	DMSO: 50 mg/mL (151.58 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	3.0316 mL	15.1579 mL	30.3159 mL
5 mM	0.6063 mL	3.0316 mL	6.0632 mL
10 mM	0.3032 mL	1.5158 mL	3.0316 mL
50 mM	0.0606 mL	0.3032 mL	0.6063 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

Zhang Q, et al. Guaianolide sesquiterpene lactones, a source to discover agents that selectively inhibit acute myelogenous leukemia stem and progenitor cells. J Med Chem. 2012 Oct 25;55(20):8757-69.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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