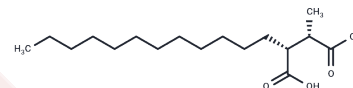


Roccellic Acid

Chemical Properties

CAS No. :	29838-46-8
Formula:	C17H32O4
Molecular Weight:	300.43
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	Roccellic acid is a lichen secondary metabolite that has been found in <i>R. montagnei</i> and has antibacterial and anticancer activities. ^{1,2} It is active against the bacteria <i>S. gordonii</i> and <i>P. gingivalis</i> (MIC = 46.9 µg/ml for both). ¹ Roccellic acid (100 µg/ml) inhibits proliferation of MDA-MB-231, MCF-7, and DLD-1 cancer cells by 65.3, 75.8, and 87.9%, respectively. ²
Targets(IC50)	Others,CDK

Solubility Information

Solubility	DMF: Soluble DMSO: Soluble Ethanol: Soluble Methanol: Soluble (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3286 mL	16.6428 mL	33.2856 mL
5 mM	0.6657 mL	3.3286 mL	6.6571 mL
10 mM	0.3329 mL	1.6643 mL	3.3286 mL
50 mM	0.0666 mL	0.3329 mL	0.6657 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

- Sweidan, A., Chollet-Krugler, M., Sauvager, A., et al. Antibacterial activities of natural lichen compounds against *Streptococcus gordonii* and *Porphyromonas gingivalis*. *Fitoterapia* 121, 164-169 (2017).
- Mishra, T., Shukla, S., Meena, S., et al. Isolation and identification of cytotoxic compounds from a fruticose lichen *Roccella montagnei*, and its in silico docking study against CDK-10. *Rev. Bras. Farmacogn.* 27(6), 724-728 (2017).

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