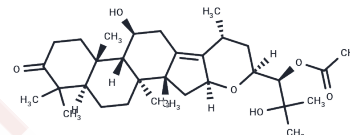


Alisol F 24-acetate

Chemical Properties

CAS No. :	443683-76-9
Formula:	C ₃₂ H ₅₀ O ₆
Molecular Weight:	530.74
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	Alisol F 24-acetate, a natural product isolated from <i>Alisma plantago-aquatica</i> Linn[1], enhances chemosensitivity and apoptosis of MCF-7/DOX Cells by inhibiting P-Glycoprotein-Mediated drug efflux[2].
Targets(IC50)	Apoptosis,HBV,P-gp

Solubility Information

Solubility	DMSO: 5.31 mg/mL (10 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	1.8842 mL	9.4208 mL	18.8416 mL
5 mM	0.3768 mL	1.8842 mL	3.7683 mL
10 mM	0.1884 mL	0.9421 mL	1.8842 mL
50 mM	0.0377 mL	0.1884 mL	0.3768 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

Jin Q, et al. Novel C-17 spirost protostane-type triterpenoids from *Alisma plantago-aquatica* with anti-inflammatory activity in Caco-2 cells. *Acta Pharm Sin B*. 2019 Jul;9(4):809-818.

Pan G, et al. Alisol F 24 Acetate Enhances Chemosensitivity and Apoptosis of MCF-7/DOX Cells by Inhibiting P-Glycoprotein-Mediated Drug Efflux. *Molecules*. 2016 Feb 4;21(2):183.

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