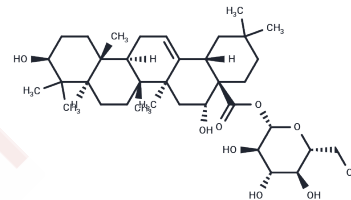


Echinocystic acid 28-O-β-D-glucoside

Chemical Properties

CAS No. :	99633-30-4
Formula:	C ₃₆ H ₅₈ O ₉
Molecular Weight:	634.85
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	Echinocystic acid 28-O-β-D-glucoside is a metabolite of echinocystic acid that inhibits tissue factor procoagulant activity (IC ₅₀ =10.61 μM).
Targets(IC ₅₀)	Endogenous Metabolite
In vitro	Echinocystic acid 28-O-β-D-glucoside can inhibit the procoagulant activity of tissue factor (TF) in lipopolysaccharide (LPS)-stimulated human THP-1 cells, with an IC ₅₀ value of 10.61 nM [1].

Solubility Information

Solubility	DMSO: 160.00 mg/mL (252.03 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	1.5752 mL	7.8759 mL	15.7518 mL
5 mM	0.315 mL	1.5752 mL	3.1504 mL
10 mM	0.1575 mL	0.7876 mL	1.5752 mL
50 mM	0.0315 mL	0.1575 mL	0.315 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

Wang WW, et, al. Microbial hydroxylation and glycosylation of pentacyclic triterpenes as inhibitors on tissue factor procoagulant activity. Bioorg Med Chem Lett. 2017 Feb 15;27(4):1026-1030.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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