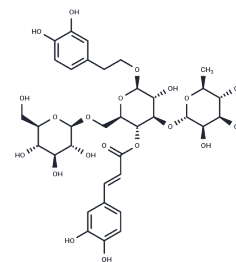


Echinacoside

Chemical Properties

CAS No. :	82854-37-3
Formula:	C ₃₅ H ₄₆ O ₂₀
Molecular Weight:	786.73
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Echinacoside is a natural polyphenolic compound with various kinds of pharmacological activities, such as anti-inflammatory, antioxidative, hepatoprotective, neuroprotective, nitric oxide radical-scavenging and vasodilative ones.
Targets(IC50)	Reactive Oxygen Species,Wnt/beta-catenin

Solubility Information

Solubility	PBS: 100 mg/mL (127.11 mM),Solution. DMSO: 27.5 mg/mL (34.95 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	1.2711 mL	6.3554 mL	12.7108 mL
5 mM	0.2542 mL	1.2711 mL	2.5422 mL
10 mM	0.1271 mL	0.6355 mL	1.2711 mL
50 mM	0.0254 mL	0.1271 mL	0.2542 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.

Reference

Zhang D, et al. Int J Biol Macromol. 2014 Sep 2;72C:243-253.

Dai Z, Hu T, Wei J, et al.Network-Based Identification and Mechanism Exploration of Active Ingredients Against Alzheimer's Disease via Targeting Endoplasmic Reticulum Stress from Traditional Chinese Medicine.Computational and Structural Biotechnology Journal.2023

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