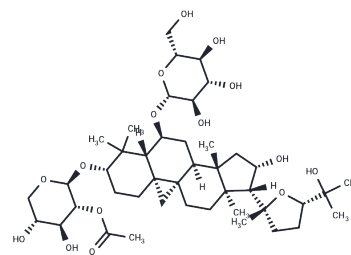


Astragaloside II

Chemical Properties

CAS No. : 84676-89-1
 Formula: C₄₃H₇₀O₁₅
 Molecular Weight: 827.01
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Astragaloside II (Astrasieversianin VIII) is an effective MDR reversal agent and may be a potential adjunctive agent for hepatic cancer chemotherapy. Astragaloside II also induces osteogenic activities, differentiation, proliferation, and mineralization, through the bone morphogenetic protein-2/MAPK and Smad1/5/8 pathways.
Targets(IC50)	TGF-beta/Smad

Solubility Information

Solubility	H ₂ O: < 0.1 mg/mL (insoluble), DMSO: 100 mg/mL (120.92 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	1.2092 mL	6.0459 mL	12.0918 mL
5 mM	0.2418 mL	1.2092 mL	2.4184 mL
10 mM	0.1209 mL	0.6046 mL	1.2092 mL
50 mM	0.0242 mL	0.1209 mL	0.2418 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

Huang C, et al. Reversal of P-glycoprotein-mediated multidrug resistance of human hepatic cancer cells by Astragaloside II. J Pharm Pharmacol. 2012 Dec;64(12):1741-50.

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