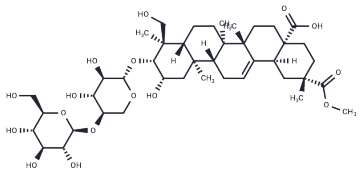
Data Sheet (Cat.No.T3877)

TargetMol
YOUR TARGET MOLECULES

Esculentoside A

Chemical Properties



CAS No. : 65497-07-6

Formula: C42H66O16

Molecular Weight: 826.96

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Esculentoside A can suppress inflammatory responses in LPS-induced ALI through inhibition of the NF-κB and mitogen-activated protein kinase signaling pathways. Esculentoside A may be useful for the treatment of autoimmune disease through modulation on T cell-mediated adaptive immunity. Esculentoside A may play significant roles in the treatment of BXSB mice through modulation of inflammatory cytokines, inhibition of renal cell proliferation and induction of apoptosis.
Targets(IC50)	NF-κB,COX

Solubility Information

Solubility	DMSO: 60 mg/mL (72.55 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.2092 mL	6.0462 mL	12.0925 mL
5 mM	0.2418 mL	1.2092 mL	2.4185 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

Zhong WT,et al. Protective effect of esculentoside A on lipopolysaccharide-induced acute lung injury in mice. J Surg Res. 2013 Nov;185(1):364-72.

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