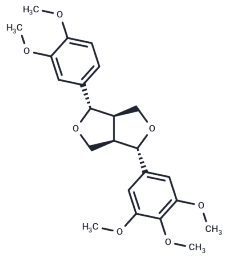
Data Sheet (Cat.No.T3857)

TargetMol

magnolin

Chemical Properties



CAS No. : 31008-18-1

Formula: C23H28O7

Molecular Weight: 416.46

Appearance: no data available

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

Biological Description

Description	Magnolin reduces the renal oxidative stress, suppresses caspase-3 activity, and increases Bcl-2 expression in vivo and in vitro. Magnolin has anti-inflammatory and antioxidative effects.
Targets(IC50)	ERK

Solubility Information

Solubility	DMSO: 45 mg/mL (108.05 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4012 mL	12.006 mL	24.0119 mL
5 mM	0.4802 mL	2.4012 mL	4.8024 mL
10 mM	0.2401 mL	1.2006 mL	2.4012 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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

Wang F,et al. Magnolin protects against contrast-induced nephropathy in rats via antioxidation and antiapoptosis. Oxid Med Cell Longev. 2014;22014:203458.

Lee CJ,et al. Targeting of magnolin on ERKs inhibits Ras/ERKs/RSK2-signaling-mediated neoplastic cell transformation. Carcinogenesis. 2014 Feb;35(2):432-41.

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