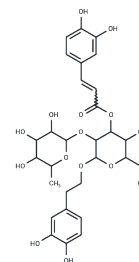


Magnoloside A

Chemical Properties

CAS No. :	113557-95-2
Formula:	C ₂₉ H ₃₆ O ₁₅
Molecular Weight:	624.59
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	Magnoloside A (Magloside A) is a phenylethanol glycoside from <i>M. obovata</i> Thunb, a calmodulin phosphatase inhibitor.
Targets(IC50)	Others
In vitro	As a natural product, Magnoloside A can be used in related studies such as functional dyspepsia (FD)[1].

Solubility Information

Solubility	DMSO: 50 mg/mL (80.05 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	1.6011 mL	8.0053 mL	16.0105 mL
5 mM	0.3202 mL	1.6011 mL	3.2021 mL
10 mM	0.1601 mL	0.8005 mL	1.6011 mL
50 mM	0.032 mL	0.1601 mL	0.3202 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

Zhenzhen Xue, et al. An orally administered magnolioside A ameliorates functional dyspepsia by modulating brain-gut peptides and gut microbiota. *Life Sciences*. 2019, 233.

Zhang J, et al. Pharmacokinetics and metabolites of glycosides and lignans of the stem bark of *Magnolia officinalis* in functional dyspepsia and normal rats using liquid chromatography-tandem mass spectrometry. *J Sep Sci*. 2022 Oct;45(19):3663-3678.

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