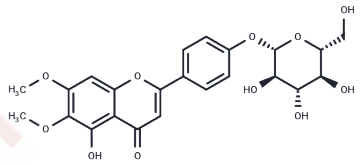
Data Sheet (Cat.No.T10822)

TargetMol

Cirsimarin

Chemical Properties



CAS No. : 13020-19-4

Formula: C23H24O11

Molecular Weight: 476.43

Storage: Store at low temperature,Keep away from direct sunlight
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	Cirsimarin (Cirsitakaoside) is a flavonoid isolated from Microtea debilis. It shows a potent antilipogenic effect and decreases adipose tissue deposition in mice. Cirsimarin has antagonist activity on the adenosine A1 receptor and inhibitory effect on phosphodiesterase.
Targets(IC50)	Adenosine Receptor,PDE

Solubility Information

Solubility	DMSO: 83.33 mg/mL (174.91 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.0989 mL	10.4947 mL	20.9894 mL
5 mM	0.4198 mL	2.0989 mL	4.1979 mL
10 mM	0.2099 mL	1.0495 mL	2.0989 mL
50 mM	0.042 mL	0.2099 mL	0.4198 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

Zarrouki B, et al. Cirsimarin, a potent antilipogenic flavonoid, decreases fat deposition in mice intra-abdominal adipose tissue. Int J Obes (Lond). 2010 Nov;34(11):1566-75.

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