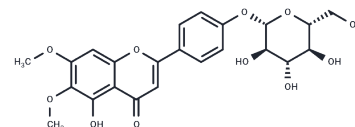


Cirsimarín

Chemical Properties

CAS No. :	13020-19-4
Formula:	C ₂₃ H ₂₄ O ₁₁
Molecular Weight:	476.43
Appearance:	no data available
Storage:	store at low temperature, keep away from direct sunlight Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Cirsimarín (Cirsitakaoside) is a flavonoid isolated from <i>Microtea debilis</i> . It shows a potent antilipogenic effect and decreases adipose tissue deposition in mice. Cirsimarín has antagonist activity on the adenosine A ₁ receptor and inhibitory effect on phosphodiesterase.
Targets(IC ₅₀)	Adenosine Receptor

Solubility Information

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

Reference

Zarrouki B, et al. Cirsimarín, 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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