

Sarracenin

Chemical Properties

CAS No. : 59653-37-1

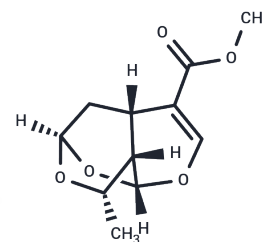
Formula: C₁₁H₁₄O₅

Molecular Weight: 226.23

Storage: Keep away from direct sunlight, Keep away from moisture

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	Sarracenin is a natural product. Sarracenin shows cytotoxic activities against tumor cells.
Targets(IC50)	Others
In vitro	A new bis-iridoid glucosides, secologanin methyl hemiacetal-yl-6`- secologanin dimethyl acetal (chrysathain, 1), was isolated from the methanol extract of the leaves of Chinese medicinal plant <i>Lonicera chrysatha</i> along with nine known iridoid glucosides, i. e., loganin (2), secologanin (3), secologanin dimethylacetal (4), 8-epi-kingiside (5) 7 α -morrisoniside (6), 7 β -morrisoniside (7), vogeloside (8) 7-epi-vogeloside (9) and Sarracenin (10). Their structures were elucidated by spectroscopic methods.

Solubility Information

Solubility	DMSO: 60 mg/mL (265.22 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (4.42 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.4203 mL	22.1014 mL	44.2028 mL
5 mM	0.8841 mL	4.4203 mL	8.8406 mL
10 mM	0.442 mL	2.2101 mL	4.4203 mL
50 mM	0.0884 mL	0.442 mL	0.8841 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

Iridoid Glucosides from Chinese Herb *Lonicera chrysatha* and Their Antitumor Activity. *Journal of Chemical Research*, 2003(10):676-677.

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