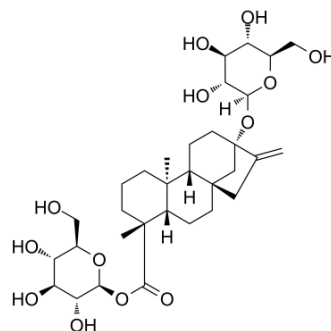


Rubusoside

Cat. No.:	HY-N0668		
CAS No.:	64849-39-4		
Molecular Formula:	C ₃₂ H ₅₀ O ₁₃		
Molecular Weight:	642.73		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 110 mg/mL (171.14 mM; Need ultrasonic)

Concentration	Solvent	Mass	1 mg	5 mg	10 mg
			1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		1.5559 mL	7.7793 mL	15.5586 mL
	5 mM		0.3112 mL	1.5559 mL	3.1117 mL
	10 mM		0.1556 mL	0.7779 mL	1.5559 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.75 mg/mL (4.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.75 mg/mL (4.28 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.75 mg/mL (4.28 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Rubusoside is a natural sweetener and a solubilizing agent with antiangiogenic and antiallergic properties. Rubusoside is an excellent solubilizing agent. It can enhance the solubility of a number of pharmaceutically important compounds, such as liquiritin, teniposide, curcumin, and etoposide.

CUSTOMER VALIDATION

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- J Food Biochem. 2020 May;44(5):e13187.

See more customer validations on www.MedChemExpress.com

REFERENCES

- [1]. Wang Z et al. Selective production of rubusoside from stevioside by using the sophorose activity of β -glucosidase from *Streptomyces* sp. GXT6. *Appl Microbiol Biotechnol.* 2015 Nov;99(22):9663-74.
- [2]. Ko JA et al. Mass production of rubusoside using a novel stevioside-specific β -glucosidase from *Aspergillus aculeatus*. *J Agric Food Chem.* 2012 Jun 20;60(24):6210-6.
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Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA