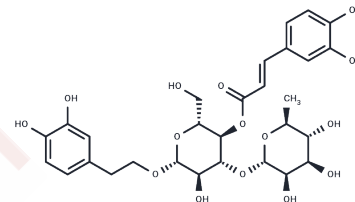


Verbascoside

Chemical Properties

CAS No. :	61276-17-3
Formula:	C ₂₉ H ₃₆ O ₁₅
Molecular Weight:	624.59
Appearance:	no data available
Storage:	keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Verbascoside (Kusagin) is a protein kinase C inhibitor with antimicrobial, anti-inflammatory activities.
Targets(IC50)	Apoptosis,Antibacterial,HSV,p53,PARP,PKC

Solubility Information

Solubility	Methanol: Soluble, DMSO: 91 mg/mL (145.7 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.

Reference

- Herbert JM, et al. Natural Products, 1991, 54 (6): 1595-1600;
 Qu Y, Sun X, Wei N, et al. Inhibition of cutaneous heat-sensitive Ca²⁺-permeable transient receptor potential vanilloid 3 channels alleviates UVB-induced skin lesions in mice. The FASEB Journal. 2023, 37(12): e23309.
 Santoro A, et al. Toxicol Lett. 2008 May 5;178(2):71-6.;
 Dell'Aquila ME, et al. Biomed Res Int. 2014;2014:878062.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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