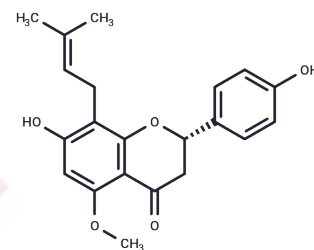


(2S)-Isoxanthohumol

Chemical Properties

CAS No. :	70872-29-6
Formula:	C ₂₁ H ₂₂ O ₅
Molecular Weight:	354.4
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	1. (2S)-Isoxanthohumol shows an antiviral activity towards herpes viruses (HSV1 and HSV2) and bovine viral diarrhea virus (BVDV). 2. Isoxanthohumol is a polyphenol with antioxidant, anti-inflammatory, and antiangiogenic properties, seems to regulate in vivo vascular proliferation and stabilization and the EC-VSMC-inflammatory crosstalk.
Targets(IC50)	HSV,Virus Protease

Solubility Information

Solubility	DMSO: 64 mg/mL (180.59 mM),Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8217 mL	14.1084 mL	28.2167 mL
5 mM	0.5643 mL	2.8217 mL	5.6433 mL
10 mM	0.2822 mL	1.4108 mL	2.8217 mL
50 mM	0.0564 mL	0.2822 mL	0.5643 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

Anna Katarzyna Żołnierczyk, Wanda Krystyna Mączka, Małgorzata Grabarczyk, et al. Isoxanthohumol – Biologically active hop flavonoid[J]. Fitoterapia, 2015, 103.

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