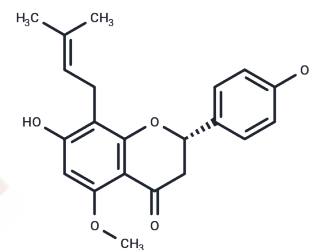


## (2S)-Isoxanthohumol

### Chemical Properties

CAS No. :	70872-29-6
Formula:	C <sub>21</sub> H <sub>22</sub> O <sub>5</sub>
Molecular Weight:	354.40
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year <i>Actual storage temperature shall be subject to the COA.</i>



### 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: 64.00 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)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 2.00 mg/mL (5.64 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	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.

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

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

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