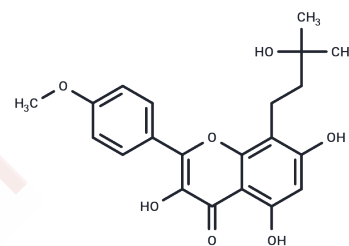


Wushanicaritin

Chemical Properties

CAS No. :	521-45-9
Formula:	C ₂₁ H ₂₂ O ₇
Molecular Weight:	386.4
Storage:	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	Wushanicaritin is a natural product isolated from the traditional Chinese medicine Epimedium plants, with antitumor effects and anti-inflammatory property.
Targets(IC50)	Others
In vitro	Wushanicaritin with IC50 of 35.3 μ M exhibits significant antioxidant activity comparable to Vitamin C with IC50 of 32.0 μ M.

Solubility Information

Solubility	DMSO: 50 mg/mL (129.4 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	2.588 mL	12.940 mL	25.8799 mL
5 mM	0.5176 mL	2.588 mL	5.176 mL
10 mM	0.2588 mL	1.294 mL	2.588 mL
50 mM	0.0518 mL	0.2588 mL	0.5176 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

Hong X, et al. In Vitro Glucuronidation of Wushanicaritin by Liver Microsomes, Intestine Microsomes and Expressed Human UDP-Glucuronosyltransferase Enzymes. Int J Mol Sci. 2017 Sep 19;18(9). pii: E1983.

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