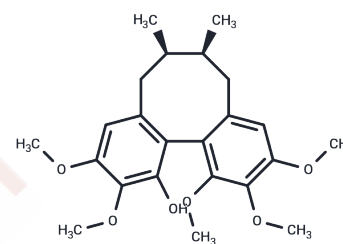


Schisanhenol

Chemical Properties

CAS No. :	69363-14-0
Formula:	C ₂₃ H ₃₀ O ₆
Molecular Weight:	402.48
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	1. Schisanhenol (Schizanhennol) can protect against adriamycin induced heart mitochondrial toxicity. 2. Schisanhenol has antioxidative effect on human LDL oxidation, may be through scavenging free radicals. 3. Schisanhenol has anti-apoptosis effect on BACSSs, may be related to its inhibition of ROS generation.
Targets(IC50)	Antioxidant,UGT

Solubility Information

Solubility	DMSO: 50 mg/mL (124.23 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 5 mg/mL (12.42 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	2.4846 mL	12.423 mL	24.846 mL
5 mM	0.4969 mL	2.4846 mL	4.9692 mL
10 mM	0.2485 mL	1.2423 mL	2.4846 mL
50 mM	0.0497 mL	0.2485 mL	0.4969 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

Wang Q Y , Deng L L , Liu J J , et al. Schisanhenol derivatives and their biological evaluation against tobacco mosaic virus (TMV)[J]. Fitoterapia, 2015, 101(Complete):117-124.

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