

Schisandrin A

Chemical Properties

CAS No. : 61281-38-7

Formula: C₂₄H₃₂O₆

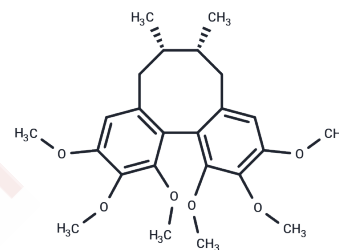
Molecular Weight: 416.51

Keep away from direct sunlight, Keep away from moisture

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	Schisandrin A, a primary active component extracted from the traditional Eastern medicine Schisandra chinensis, inhibits CYP3A activity, with an IC ₅₀ of 6.60 μM and a K _i of 5.83 μM.
Targets(IC ₅₀)	Autophagy, Cytochromes P450, Virus Protease

Solubility Information

Solubility	DMSO: 83.33 mg/mL (200.07 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Saline: < 8.33 mg/mL (20 mM), Lower concentrations may be soluble, but exact solubility limit is unknown. 10% DMSO+40% PEG300+5% Tween 80+45% Saline: 8.33 mg/mL (20 mM), Solution. <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	2.4009 mL	12.0045 mL	24.009 mL
5 mM	0.4802 mL	2.4009 mL	4.8018 mL
10 mM	0.2401 mL	1.2005 mL	2.4009 mL
50 mM	0.048 mL	0.2401 mL	0.4802 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

Jin J, Chen M, Wang H, et al. Schizandrin A attenuates early brain injury following subarachnoid hemorrhage through suppressing neuroinflammation. *Molecular Biology Reports*. 2024, 51(1): 236.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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