

## Schisantherin A

## Chemical Properties

CAS No. : 58546-56-8

Formula: C<sub>30</sub>H<sub>32</sub>O<sub>9</sub>

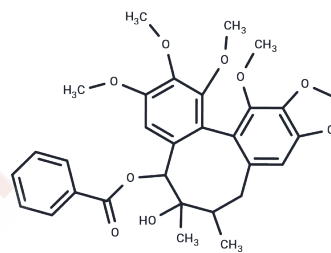
Molecular Weight: 536.57

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	Schisantherin A (Wuweizi ester-A) is a dibenzocyclooctadiene lignan isolated from the fruit of Schisandra sphenanthera, has been used as an antitussive, tonic, and sedative agent.
Targets(IC50)	NF-κB

## Solubility Information

Solubility	DMSO: 250 mg/mL (465.92 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: 2 mg/mL (3.73 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	1.8637 mL	9.3184 mL	18.6369 mL
5 mM	0.3727 mL	1.8637 mL	3.7274 mL
10 mM	0.1864 mL	0.9318 mL	1.8637 mL
50 mM	0.0373 mL	0.1864 mL	0.3727 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

Zhou E, et al. *Int Immunopharmacol.* 2014 Sep;22(1):133-40.

Wang Z, Yu K, Hu Y, et al. Schisantherin A induces cell apoptosis through ROS/JNK signaling pathway in human gastric cancer cells. *Biochemical Pharmacology.* 2019: 113673.

Wang Z, Yu K, Hu Y, et al. Schisantherin A induces cell apoptosis through ROS/JNK signaling pathway in human gastric cancer cells[J]. *Biochemical Pharmacology.* 2019: 113673.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481