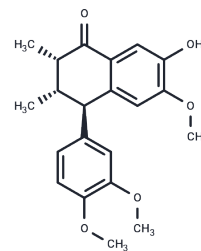


Schisandrone

Chemical Properties

CAS No. :	98619-25-1
Formula:	C ₂₁ H ₂₄ O ₅
Molecular Weight:	356.41
Storage:	Store at low temperature 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	Schisandrone (Arisantetralone C) is a 4-aryltetrahydrofuran lignan extracted from the dried fruit of Schisandra chinensis.
Targets(IC50)	Beta Amyloid,NOS,NF-κB,CD74
In vitro	To explore the effect of Schisandrone on tau protein phosphorylation in the process of differentiation of APP transgenic mouse neural stem cells into neural cells. Compared with the APP+ cell control group, cell fluorescence intensity became weak in the Schisandrone group. Phosphorylation levels of Tau[Ps262] and Tau[Ps396] were reduced, especially at Tau[Ps396] site. Phosphorylation levels of Tau[Ps262] and Tau [Ps396] were low in the APP- cell control group.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8058 mL	14.0288 mL	28.0576 mL
5 mM	0.5612 mL	2.8058 mL	5.6115 mL
10 mM	0.2806 mL	1.4029 mL	2.8058 mL
50 mM	0.0561 mL	0.2806 mL	0.5612 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

- G D Li, et al. Effects of schisandrone on Tau protein hyperphosphorylation in differentiation of neural stem cells from APP transgenic mice *Journal of Clinical Rehabilitative Tissue Engineering Research*, 2009;13(23) :4490-4494.
- Lian-niang L, et al. Schisandrone, a New 4-Aryltetralone Lignan from *Schisandra sphenanthera*. *Planta Medica*, 1985;51(03): 217-219.
- Qi Y, et al. An inhibitory effect of schisandrone on α -hemolysin expression to combat methicillin-resistant staphylococcus aureus infections. *World J Microbiol Biotechnol*. 2022;39(1):3.

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