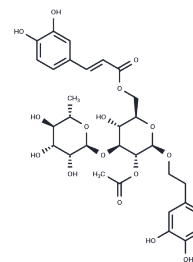


tubuloside B

Chemical Properties

CAS No. :	112516-04-8
Formula:	C ₃₁ H ₃₈ O ₁₆
Molecular Weight:	666.62
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	The neuroprotective effect of tubuloside B, one of the phenylethanoids isolated from the stems of <i>Cistanche salsa</i> , on tumor necrosis factor- α (TNF α)-induced apoptosis in SH-SY5Y neuronal cells.
Targets(IC50)	Apoptosis
In vitro	Tubuloside B has the neuroprotective capacity to antagonize TNF α -induced apoptosis in SH-SY5Y cells and may be useful in treating some neurodegenerative diseases[2].

Solubility Information

Solubility	DMSO: 150 mg/mL (225.02 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: 1 mg/mL (1.5 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	1.5001 mL	7.5005 mL	15.0011 mL
5 mM	0.300 mL	1.5001 mL	3.0002 mL
10 mM	0.150 mL	0.7501 mL	1.5001 mL
50 mM	0.030 mL	0.150 mL	0.300 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

Deng M, Zhao JY, Ju XD, Tu PF, Jiang Y, Li ZB. Protective effect of tubuloside B on TNFalpha-induced apoptosis in neuronal cells. *Acta Pharmacol Sin.* 2004;25(10):1276-1284.

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