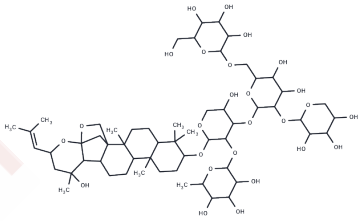
Data Sheet (Cat.No.T3782)

TargetMol

Jujuboside A

Chemical Properties



CAS No. : 55466-04-1

Formula: C58H94O26

Molecular Weight: 1207.35

Storage: Keep away from direct sunlight
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	Jujuboside A, a glycoside extracted from Semen Ziziphi Spinosae, exhibits neurophysiological inhibitory effects and is considered a potential therapeutic agent for the treatment of Alzheimer's disease.
Targets(IC50)	GABA Receptor,transporter

Solubility Information

Solubility	DMSO: 125 mg/mL (103.53 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 (1.66 mM),Sonication is recommended. *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.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.8283 mL	4.1413 mL	8.2826 mL
5 mM	0.1657 mL	0.8283 mL	1.6565 mL
10 mM	0.0828 mL	0.4141 mL	0.8283 mL
50 mM	0.0166 mL	0.0828 mL	0.1657 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

Liu Z,et al. Jujuboside A, a neuroprotective agent from semen Ziziphi Spinosae ameliorates behavioral disorders of the dementia mouse model induced by Aβ 1-42. Eur J Pharmacol. 2014 Sep 5;738:206-13.
Wang X,et al. Potential drug targets on insomnia and intervention effects of Jujuboside A through metabolic pathway analysis as revealed by UPLC/ESI-SYNAPT-HDMS coupled with pattern recognition approach.J Proteomics. 2012 Feb 2;75(4):1411-27.

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