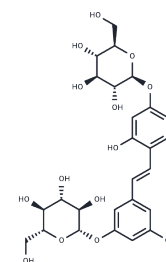


Mulberroside A

Chemical Properties

CAS No. :	102841-42-9
Formula:	C ₂₆ H ₃₂ O ₁₄
Molecular Weight:	568.52
Storage:	Keep away from direct sunlight, 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	1. Mulberroside has nephroprotective, hypoglycemic, and antidiabetic effects. 2. Mulberroside A is a glycosylated stilbene of oxyresveratrol; thus, the deglycosylation of Mulberroside A resulted in enhanced inhibition of melanogenesis. 3. Mulberroside A has anti-inflammatory antiapoptotic effects. by decreasing the expressions of tumor necrosis factor- α (TNF- α), interleukin (IL)-1 β , and IL-6 and inhibiting the activation of NALP3, caspase-1, and nuclear factor- κ B and the phosphorylation of extracellular signal-regulated protein kinases, the c-Jun N-terminal kinase, and p38.
Targets(IC50)	Interleukin, TNF, Tyrosinase

Solubility Information

Solubility	DMSO: 117.5 mg/mL (206.68 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 (3.52 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	1.759 mL	8.7948 mL	17.5895 mL
5 mM	0.3518 mL	1.759 mL	3.5179 mL
10 mM	0.1759 mL	0.8795 mL	1.759 mL
50 mM	0.0352 mL	0.1759 mL	0.3518 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

Wang C P , Zhang L Z , Li G C , et al. Mulberroside a protects against ischemic impairment in primary culture of rat cortical neurons after oxygen-glucose deprivation followed by reperfusion[J]. Journal of Neuroscience Research, 2014, 92(7):944-954.

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