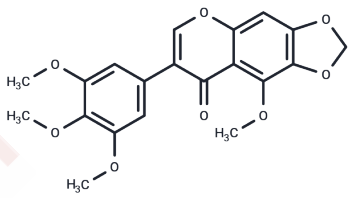
Data Sheet (Cat.No.T6S1665)

TargetMol

Irisflorentin

Chemical Properties



CAS No. : 41743-73-1

Formula: C20H18O8

Molecular Weight: 386.35

Storage: Keep away from direct sunlight,Store at low temperature
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	1. Irisflorentin blocks apoptosis pathways, by exerting its effects by promoting rpn-3 expression to enhance the activity of proteasomes and down-regulating egl-1 expression. 2. Irisflorentin has anti-inflammatory mechanism in LPS-activated RAW 264.7 macrophages, by reducing the transcriptional and translational levels of inducible nitric oxide synthase (iNOS) as well as the production of NO.
Targets(IC50)	NO Synthase

Solubility Information

Solubility	Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, DMSO: 40 mg/mL (103.53 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+90% Corn Oil: 2 mg/mL (5.18 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	2.5883 mL	12.9416 mL	25.8833 mL
5 mM	0.5177 mL	2.5883 mL	5.1767 mL
10 mM	0.2588 mL	1.2942 mL	2.5883 mL
50 mM	0.0518 mL	0.2588 mL	0.5177 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

Chen Y M , Liu S P , Lin H L , et al. Irisflorentin improves α-synuclein accumulation and attenuates 6-OHDA-induced dopaminergic neuron degeneration, implication for Parkinson's disease therapy[J]. BioMedicine, 2015, 5(1):4.