

Irisfloreantin

Chemical Properties

CAS No. : 41743-73-1

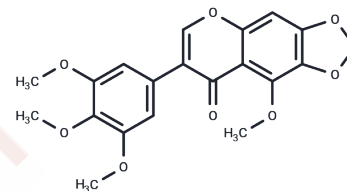
Formula: C₂₀H₁₈O₈

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. Irisfloreantin 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. Irisfloreantin 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: 13.89 mg/mL (35.95 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble) |
| In vivo Formulation | 10% DMSO+90% Saline: 1.39 mg/mL (3.6 mM), Suspension. 10% DMSO+90% Corn Oil: 2 mg/mL (5.18 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 | 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. Irisfloreantin improves α -synuclein accumulation and attenuates 6-OHDA-induced dopaminergic neuron degeneration, implication for Parkinson's disease therapy[J]. BioMedicine, 2015, 5(1):4.

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