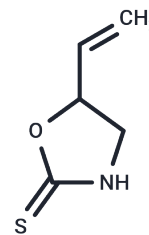


Epigoitrin

Chemical Properties

| | |
|-------------------|---|
| CAS No. : | 1072-93-1 |
| Formula: | C ₅ H ₇ NOS |
| Molecular Weight: | 129.18 |
| Storage: | Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small> |



Biological Description

| | |
|---------------|---|
| Description | 1. Epigoitrin (Goitrin) has anti-virus activity. 2. Epigoitrin has anti-oxidant activity. 3. Epigoitrin has anti-inflammation activity. |
| Targets(IC50) | Antiviral, Influenza Virus |

Solubility Information

| | |
|---------------------|---|
| Solubility | DMSO: 4 mg/mL (30.96 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 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 (7.74 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 | 7.7411 mL | 38.7057 mL | 77.4114 mL |
| 5 mM | 1.5482 mL | 7.7411 mL | 15.4823 mL |
| 10 mM | 0.7741 mL | 3.8706 mL | 7.7411 mL |
| 50 mM | 0.1548 mL | 0.7741 mL | 1.5482 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

In vitro antioxidant and anti-inflammatory activities of Radix Isatidis extract and bioaccessibility of six bioactive compounds after simulated gastro-intestinal digestion

Li M, Xiao Y, Xiao L, et al. Epigoitrin alleviates lipid and glucose metabolic disorders induced by a high-fat diet. Food & Function. 2022, 13(13): 7260-7273.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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