

Fraxinellone

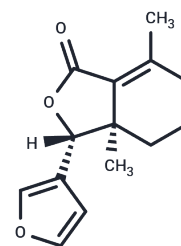
Chemical Properties

CAS No. : 28808-62-0

Formula: C₁₄H₁₆O₃

Molecular Weight: 232.27

Storage: Keep away from moisture, 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. Fraxinellone significantly reduced weight loss and diarrhea in mice and alleviated the macroscopic and microscopic signs of the disease. 2. Fraxinellone exhibited a variety of insecticidal activities including feeding-deterrent activity, inhibition of growth, and larvicidal activity. 3. Fraxinellone has effect in the midgut metabolism of <i>Mythimna separata</i> (<i>M. separata</i>), via protease (especially the weak alkaline trypsin-like enzyme), carboxylesterase and glutathione S-transferase.
Targets(IC50)	HIF/HIF Prolyl-Hydroxylase, STAT, PD-1/PD-L1

Solubility Information

Solubility	DMSO: 42 mg/mL (180.82 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: 2 mg/mL (8.61 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	4.3053 mL	21.5267 mL	43.0533 mL
5 mM	0.8611 mL	4.3053 mL	8.6107 mL
10 mM	0.4305 mL	2.1527 mL	4.3053 mL
50 mM	0.0861 mL	0.4305 mL	0.8611 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

Sun Y , Qin Y , Gong F Y , et al. Selective triggering of apoptosis of concanavalin A-activated T cells by fraxinellone for the treatment of T-cell-dependent hepatitis in mice[J]. Biochemical Pharmacology, 2009, 77(11):1717-1724.

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