

(+)-(3R,8S)-Falcarindiol**Chemical Properties**

CAS No. : 225110-25-8

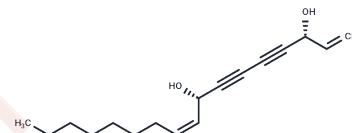
Formula: C₁₇H₂₄O₂

Molecular Weight: 260.37

Keep away from direct sunlight

Storage: Pure form: -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. (+)-(3R,8S)-Falcarindiol is a potential new anticancer agent that exerts its activity through inducing ER stress and apoptosis. 2. Falcarindiol induces immunosuppressive effects in vitro and in vivo and might be a novel therapy for autoimmune or allergic diseases. 3. Falcarindiol has protective effect against CCl(4) toxicity , in part, be explained by anti-lipid peroxidation activity associated with the induction of the GSTs including GSTA4. |
| Targets(IC50) | Others,Antibacterial |

Solubility Information

| | |
|---------------------|--|
| Solubility | DMSO: 2.5 mg/mL (9.6 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 (7.68 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 | 3.8407 mL | 19.2034 mL | 38.4069 mL |
| 5 mM | 0.7681 mL | 3.8407 mL | 7.6814 mL |
| 10 mM | 0.3841 mL | 1.9203 mL | 3.8407 mL |
| 50 mM | 0.0768 mL | 0.3841 mL | 0.7681 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

Yoshida J , Seino H , Ito Y , et al. Inhibition of Glycogen Synthase Kinase-3 β by Falcarindiol Isolated from Japanese Parsley (*Oenanthe javanica*)[[J]]. *Journal of Agricultural and Food Chemistry*, 2013, 61(31).

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