

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

CAS No. : 225110-25-8

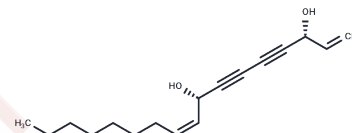
Formula: C₁₇H₂₄O₂

Molecular Weight: 260.37

Appearance: Solid

keep away from direct sunlight

Storage: Pure form: -20°C for 3 years | In solvent: -80°C for 1 year

**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(IC ₅₀)	Others

Solubility Information

Solubility	DMSO: 60 mg/mL (230.44 mM), Sonication is recommended. Chloroform, Dichloromethane, Ethyl Acetate, Acetone, etc.: Soluble, (< 1 mg/mL refers to the product slightly soluble or insoluble)
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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.

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

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