

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

CAS No. : 225110-25-8

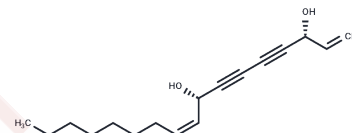
Formula: C<sub>17</sub>H<sub>24</sub>O<sub>2</sub>

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(IC50) | Others                                                                                                                                                                                                                                                                                                                                                                                                                                                           |

**Solubility Information**

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

**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 $\beta$  by Falcarindiol Isolated from Japanese Parsley ( *Oenanthe javanica* )[[J]]. Journal of Agricultural and Food Chemistry, 2013, 61(31).

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