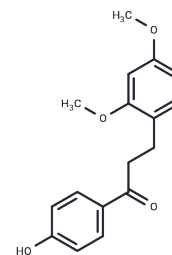


Loureirin A

Chemical Properties

CAS No. :	119425-89-7
Formula:	C ₁₇ H ₁₈ O ₄
Molecular Weight:	286.32
Storage:	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	Loureirin A has an inhibitory effect on platelet activation, perhaps through an impairment of PI3K/Akt signaling. Loureirin A negatively affects agonist-induced platelet aggregation such as collagen, collagen-related peptide (CRP), ADP and thrombin. Loureirin A activates Wnt/-catenin pathway and promotes hair follicle stem cells (FSCs)-seeded tissue-engineered skin to repair skin wound. The molecular mechanism of Loureirin A and Wnt signaling pathway mediated anti-hepatic fibrosis and anti-angiogenesis may involve down-regulation the expression of Frizzled-4, inhibiting the synthesis and secretion of α -SMA, TGF- β 1 and the proliferation of HSCs.
Targets(IC50)	Akt, PI3K

Solubility Information

Solubility	DMSO: 86.6 mg/mL (302.46 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 3.3 mg/mL (11.53 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	3.4926 mL	17.463 mL	34.926 mL
5 mM	0.6985 mL	3.4926 mL	6.9852 mL
10 mM	0.3493 mL	1.7463 mL	3.4926 mL
50 mM	0.0699 mL	0.3493 mL	0.6985 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

Hao H Z, He A D, Wang D C, et al. Antiplatelet activity of loureirin A by attenuating Akt phosphorylation: In vitro studies[J]. European Journal of Pharmacology, 2015, 746:63-69.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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