

Product Data Sheet

Product Name: Loureirin A

Cat. No.: GC32510

Chemical Properties

Cas. No. 119425-89-7

SMILES O=C(C1=CC=C(O)C=C1)CCC2=CC=C(OC)C=C2OC

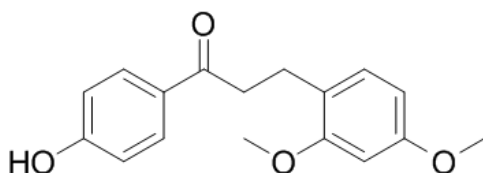
Formula $C_{17}H_{18}O_4$ M.Wt 286.32

Solubility DMSO : ≥ 86.6 mg/mL (302.46 mM) Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37°C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Loureirin A is a flavonoid extracted from Dragon's Blood, can inhibit Akt phosphorylation, and has antiplatelet activity.

Loureirin A (50 μM , 100 μM) inhibits collagen-induced platelet ATP secretion and thrombin-stimulated P-selectin expression in a dose-dependent manner. Loureirin A also significantly impairs platelet spreading on immobilized fibrinogen. Loureirin A almost completely eliminates collagen-induced Akt phosphorylation at Ser473 at the dose of 100 μM , and has an additive inhibitory effect with the

Caution: Product has not been fully validated for medical applications. For research use only.

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phosphoinositide 3-kinase (PI3K) inhibitor Ly294002 on collagen-induced Akt phosphorylation in platelets at 50 μ M[1].

[1]. Hao HZ, et al. Antiplatelet activity of loureirin A by attenuating Akt phosphorylation: In vitro studies. Eur J Pharmacol. 2015 Jan 5;746:63-9.

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