

Loureirin C

Chemical Properties

CAS No.:	116384-24-8
Formula:	C ₁₆ H ₁₆ O ₄
Molecular Weight:	272.3
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).

Biological Description

Description	Loureirin C can inhibit the activities of thrombin in vitro effectively.
Targets(IC ₅₀)	others: None
In vitro	Dragon's blood is the name given to a deep red resin obtained from a variety of plant sources. The resin extracted from stems of <i>Dracaena cochinchinensis</i> is one such source of "dragon's blood". It has a reputation for facilitating blood circulation and dispersing blood stasis. In traditional Chinese medicine, this resinous medicine is commonly prescribed to invigorate blood circulation for the treatment of traumatic injuries, blood stasis and pain. Modern pharmacological studies have found that this resinous medicine has anti-bacterial, anti-spasmodic, anti-inflammatory, analgesic, anti-diabetic, and anti-tumor activities, while it is also known to enhance immune function, promote skin repair, stop bleeding and enhance blood circulation. Various compounds have been isolated from the plant, including loureirin A, loureirin B, Loureirin C, cochinchinenin, socotrin-4'-ol, 4',7'-dihydroxyflavan, 4-methylcholest-7-ene-3-ol, ethylparaben, resveratrol, and hydroxyphenol[1]

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.672 mL	18.362 mL	36.724 mL
5 mM	0.734 mL	3.672 mL	7.345 mL
10 mM	0.367 mL	1.836 mL	3.672 mL
50 mM	0.073 mL	0.367 mL	0.734 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. A Systematic Review of the Botanical, Phytochemical and Pharmacological Profile of *Dracaena cochinchinensis*, a Plant Source of the Ethnomedicine "Dragon's Blood". *Molecules*, 2014, 19(7):10650-10669.

Inhibitors · Natural Compounds · Compound Libraries

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