

Praeruptorin E

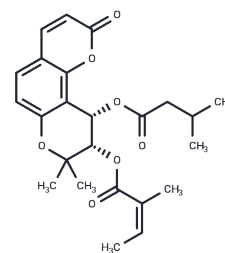
Chemical Properties

CAS No. : 78478-28-1

Formula: C₂₄H₂₈O₇

Molecular Weight: 428.47

Storage: Keep away from direct sunlight
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	1. Praeruptorin C and E can relax swine coronary artery and decrease contractility in guinea-pig left atria, these effects are similar in many respects to those displayed by drugs that have calcium entry blocking activity. 2. Praeruptorin D and E can protect mice from hydrochloric acid (HCl)-induced lung injury by inhibiting polymorphonuclear leukocytes (PMNs) influx, IL-6 release and protein exudation, suggest that they may be useful in the therapy of lung injury.
Targets(IC50)	Calcium Channel

Solubility Information

Solubility	Ethanol: Soluble, DMSO: 4.29 mg/mL (10.01 mM),Sonication is recommended. Pyridine, Methanol, 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	2.3339 mL	11.6694 mL	23.3389 mL
5 mM	0.4668 mL	2.3339 mL	4.6678 mL
10 mM	0.2334 mL	1.1669 mL	2.3339 mL
50 mM	0.0467 mL	0.2334 mL	0.4668 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

Yu P J , Li J R , Zhu Z G , et al. Praeruptorin D and E attenuate lipopolysaccharide/hydrochloric acid induced acute lung injury in mice[J]. European Journal of Pharmacology, 2013, 710(1-3):39-48.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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