

Dracorhodin perchlorate

Chemical Properties

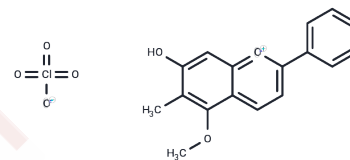
CAS No. : 125536-25-6

Formula: C₁₇H₁₅ClO₇

Molecular Weight: 366.75

Storage: Store at low temperature, Store under nitrogen
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	Dracorhodin perchlorate inhibits cell growth, and induces apoptosis in fibroblasts in a dose- and time-dependent manner, arresting cell cycle at G1 phase, may as a candidate for anti-breast cancer. Dracorhodin perchlorate can inhibit high glucose-induced serum and glucocorticoid induced protein kinase 1 (SGK1) and fibronectin(FN) expression in human mesangial cells, and this may be part of the mechanism of preventing and treating renal fibrosis of DN.
Targets(IC50)	Apoptosis, NF-κB, Akt, Caspase, PARP, PI3K, ROS, TLR, MDM-2/p53

Solubility Information

Solubility	DMSO: 55 mg/mL (149.97 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7267 mL	13.6333 mL	27.2665 mL
5 mM	0.5453 mL	2.7267 mL	5.4533 mL
10 mM	0.2727 mL	1.3633 mL	2.7267 mL
50 mM	0.0545 mL	0.2727 mL	0.5453 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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