

Retusin

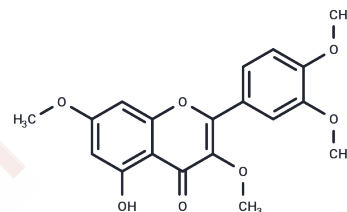
Chemical Properties

CAS No. : 1245-15-4

Formula: C₁₉H₁₈O₇

Molecular Weight: 358.34

Storage: Store at low temperature, Keep away from direct sunlight, Keep away from moisture
 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	Retusin is derived from the leaves of Talinum triangulare. Retusin Retusin can be used in studies about acting as pre- and postemergent herbicides.
Targets(IC50)	ATPase, Free radical scavengers, Antibiotic, Tyrosinase
In vitro	Retusin exhibits potent free-radical-scavenging capacities. Retusin inhibits both cellular melanin formation and antityrosinase activity in B16F10 melanocytes[2].

Solubility Information

Solubility	DMSO: 20 mg/mL (55.81 mM), Sonication and heating to 70°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7906 mL	13.9532 mL	27.9065 mL
5 mM	0.5581 mL	2.7906 mL	5.5813 mL
10 mM	0.2791 mL	1.3953 mL	2.7906 mL
50 mM	0.0558 mL	0.2791 mL	0.5581 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

Morales-Flores F, et al. Flavonoids Affect the Light Reaction of Photosynthesis in Vitro and in Vivo as Well as the Growth of Plants. J Agric Food Chem. 2015 Sep 23;63(37):8106-15.

Lu TM, et al. Free-Radical-Scavenging, Antityrosinase, and Cellular Melanogenesis Inhibitory Activities of Synthetic Isoflavones. Chem Biodivers. 2015 Jun;12(6):963-79.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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