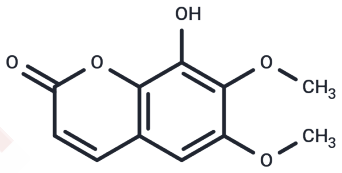
Data Sheet (Cat.No.T15349)

TargetMol

Fraxidin

Chemical Properties



CAS No. : 525-21-3

Formula: C11H10O5

Molecular Weight: 222.20

Storage: Keep away from moisture,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	Fraxidin is a coumarin compound isolated from the roots of Jatropha podagrica. It exhibits antibacterial activity against Bacillus subtilis, producing an inhibition zone of 12 mm in diameter at a concentration of 20 μg per disc.
Targets(IC50)	Antibacterial

Solubility Information

Solubility	DMSO: 80.00 mg/mL (360.04 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5005 mL	22.5023 mL	45.0045 mL
5 mM	0.9001 mL	4.5005 mL	9.0009 mL
10 mM	0.450 mL	2.2502 mL	4.5005 mL
50 mM	0.090 mL	0.450 mL	0.9001 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

Kim NY, et al. In vitro inducible nitric oxide synthesis inhibitory active constituents from Fraxinus rhynchophylla. Planta Med. 1999 Oct;65(7):656-8.

Minh TN, et al. Isolation and Purification of Bioactive Compounds from the Stem Bark of Jatropha podagrica. Molecules. 2019 Mar 3;24(5). pii: E889.

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