

## Fraxidin

## Chemical Properties

CAS No. : 525-21-3

Formula: C<sub>11</sub>H<sub>10</sub>O<sub>5</sub>

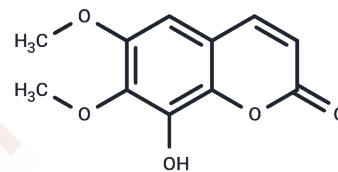
Molecular Weight: 222.196

Storage:

Keep away from direct sunlight, Keep away from moisture, Store at low temperature

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 class of coumarin. It is isolated from the roots of <i>Jatropha podagrica</i> . It also shows antibacterial activity against <i>Bacillus subtilis</i> with an inhibition zone of 12 mm at a concentration of 20 µg/disk.
Targets(IC50)	Others, Antibacterial

## 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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