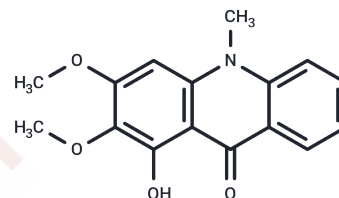


## Arborinine

## Chemical Properties

CAS No. :	5489-57-6
Formula:	C <sub>16</sub> H <sub>15</sub> NO <sub>4</sub>
Molecular Weight:	285.29
Storage:	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	Arborinine shows mild in vitro antibacterial activity, it possesses moderate levels of anti-hepatitis C virus(HCV) activities with the IC50 values being 6.4 ± 0.7 ug/ml. Arborinine shows antifeedant activity against Spodoptera frugiperda. Arborinin shows cytotoxicity against nine drug sensitive and multidrug-resistant cancer cell lines, it also can strongly induce apoptosis in CCRF-CEM cells and cell cycle arrest in the G0/G1 and S phases.
Targets(IC50)	Histone Demethylase,HCV Protease,Antifection

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5052 mL	17.526 mL	35.0521 mL
5 mM	0.701 mL	3.5052 mL	7.0104 mL
10 mM	0.3505 mL	1.7526 mL	3.5052 mL
50 mM	0.0701 mL	0.3505 mL	0.701 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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