

Angophorol

Chemical Properties

CAS No. : 133442-54-3

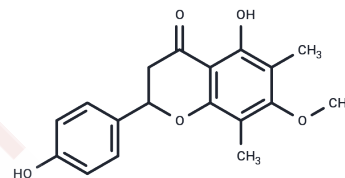
Formula: C₁₈H₁₈O₅

Molecular Weight: 314.33

Storage: Store at low temperature, 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	Angophorol is a flavonoid compound from the culm fern, <i>Pterocarpus indicus</i> , in the family Pterocarpaceae. Angophorol exerts potential anticancer activity through growth inhibition and apoptosis in K562 cells. 1,2,3 Angophorol is a flavonoid compound from the culm fern, <i>Pterocarpus indicus</i> , in the family Pterocarpaceae.
Targets(IC50)	Apoptosis
In vitro	Flavonones Angophorol was isolated from the leaves and stem of <i>Miconia prasina</i> . The anti-leukemia effect of the flavonones constituents of the <i>Miconia prasina</i> leaves was also examined in vitro, where the result showed that Angophorol exerts potential anticancer activity through growth inhibition and apoptosis in K562 cells. CONCLUSIONS: This is the first report of these compounds being isolated from <i>Miconia prasina</i> , and it is the first time to measure their anti-leukemia activity against two human leukemia cell lines, HL60 and K562, after a 48h exposure.[1]

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1814 mL	15.9068 mL	31.8137 mL
5 mM	0.6363 mL	3.1814 mL	6.3627 mL
10 mM	0.3181 mL	1.5907 mL	3.1814 mL
50 mM	0.0636 mL	0.3181 mL	0.6363 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

AH Tarawneh, et al. Therapeutic Efficacy of Phenolic Compounds from *Micnia prasina*. in Acute Lymphoblastic Leukemia. *Planta Med* 2013; 79-P55.

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