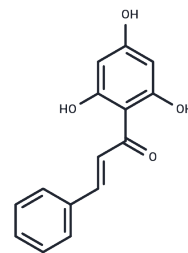


Pinocebrin chalcone

Chemical Properties

CAS No. :	4197-97-1
Formula:	C ₁₅ H ₁₂ O ₄
Molecular Weight:	256.25
Storage:	Store at low temperature Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Pinocebrin chalcone is an inhibitor of tyrosinase with antimutagenic effects. Pinocebrin chalcone can be used in studies about the prevention of gastric ulcers.
Targets(IC50)	Calcium Channel, Antibacterial, AMPK, Antifection, Tyrosinase
In vitro	Pinocebrin chalcone exhibits antibacterial activity against the antibiotic-susceptible NG strain WHO V and Candida albicans with a MIC of 100 µg/mL[1].

Solubility Information

Solubility	DMSO: 2.57 mg/mL (10.03 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9024 mL	19.5122 mL	39.0244 mL
5 mM	0.7805 mL	3.9024 mL	7.8049 mL
10 mM	0.3902 mL	1.9512 mL	3.9024 mL
50 mM	0.078 mL	0.3902 mL	0.7805 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

Ruddock PS, et al. Antimicrobial activity of flavonoids from Piper lanceaefolium and other Colombian medicinal plants against antibiotic susceptible and resistant strains of Neisseria gonorrhoeae. Sex Transm Dis. 2011 Feb;38 (2):82-8.

P D Bremner, et al. Pinocebrin Chalcone: An Antibacterial Compound From Helichrysum Trilineatum. Planta Med. 1998 Dec;64(8):777.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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