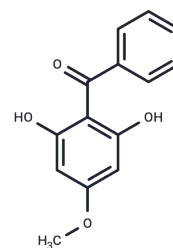


Cotoin

Chemical Properties

CAS No. :	479-21-0
Formula:	C ₁₄ H ₁₂ O ₄
Molecular Weight:	244.24
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	Cotoin, a natural product isolated from the stem bark of <i>Garcinia virgate</i> , exhibits antispasmodic activity by reducing the tone and contraction of isolated rabbit intestine. It partially inhibits the effects of acetylcholine, trichothecenes, and BaCl on the isolated intestine.
Targets(IC50)	Cholinesterase (ChE)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.0943 mL	20.4717 mL	40.9433 mL
5 mM	0.8189 mL	4.0943 mL	8.1887 mL
10 mM	0.4094 mL	2.0472 mL	4.0943 mL
50 mM	0.0819 mL	0.4094 mL	0.8189 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

Merza J, et al. Prenylated xanthenes and tocotrienols from *Garcinia virgate*. *Phytochemistry*. 2004;65(21):2915-2920.

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