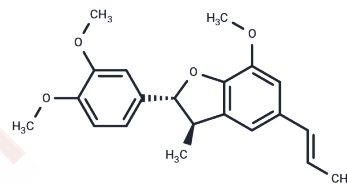


(+)-Acuminatin

Chemical Properties

CAS No. :	41744-39-2
Formula:	C ₂₁ H ₂₄ O ₄
Molecular Weight:	340.41
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	(+)-Acuminatin exerts hepatoprotective activities, perhaps by serving as a potent antioxidant. (+)-trans-Acuminatin, and (+)-cis-acuminatin show weak activity against platelet aggregation with IC ₅₀ values of 108.5 and 90.02 μM, respectively. (+)-Acuminatin, and machilin G show dose-dependent potent inhibitory activities against PLCγ1 in vitro with IC ₅₀ values ranging from 8.8 to 26.0 μM, the inhibition of PLCγ1 may be an important mechanism for an antiproliferative effect on the human cancer cells, therefore, these inhibitors may be utilized as cancer chemotherapeutic and chemopreventive agents.
Targets(IC ₅₀)	PAFR

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9376 mL	14.6882 mL	29.3763 mL
5 mM	0.5875 mL	2.9376 mL	5.8753 mL
10 mM	0.2938 mL	1.4688 mL	2.9376 mL
50 mM	0.0588 mL	0.2938 mL	0.5875 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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