

5-O-(E)-Coumaroylquinic acid

Chemical Properties

CAS No. :	5746-55-4
Formula:	C ₁₆ H ₁₈ O ₈
Molecular Weight:	338.31
Storage:	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	5-O-(E)-Coumaroylquinic acid is a hydroxycinnamic acid derivative suitable for biochemical experiments and drug synthesis research.
Targets(IC50)	Others,HBV

Solubility Information

Solubility	DMSO: 50 mg/mL (147.79 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	2.9559 mL	14.7793 mL	29.5587 mL
5 mM	0.5912 mL	2.9559 mL	5.9117 mL
10 mM	0.2956 mL	1.4779 mL	2.9559 mL
50 mM	0.0591 mL	0.2956 mL	0.5912 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

Kuczkowiak U, Petereit F, Nahrstedt A. Hydroxycinnamic Acid Derivatives Obtained from a Commercial Crataegus Extract and from Authentic Crataegus spp. Sci Pharm. 2014 Aug 21;82(4):835-46.

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