

3-p-Coumaroylquinic acid

Chemical Properties

CAS No. : 1899-30-5

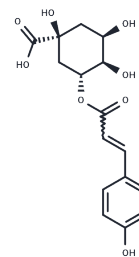
Formula: C₁₆H₁₈O₈

Molecular Weight: 338.31

Storage: Keep away from direct sunlight, Keep away from moisture

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	3-p-Coumaroylquinic acid is a natural product exhibiting radical scavenging activity with an EC ₅₀ of 189 μM in the DPPH assay.
Targets(IC ₅₀)	Free radical scavengers

Solubility Information

Solubility	DMSO: 80 mg/mL (236.47 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

Ortiz A L G, et al. Synthesis of p-coumaroylquinic acids and analysis of their interconversion[J]. Tetrahedron: Asymmetry, 2017, 28(3): 419-427.

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Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481