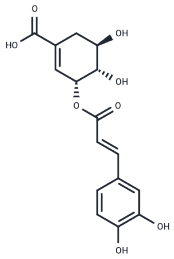
Data Sheet (Cat.No.T125535)

TargetMol

3-O-Caffeoylshikimic acid

Chemical Properties



CAS No. : 180981-12-8

Formula: C16H16O8

Molecular Weight: 336.3

Storage: Keep away from direct sunlight
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-O-Caffeoylshikimic acid (Compound 8) is a phenolic compound isolated from Livistona chinensis that exhibits antioxidant activity and inhibits the proliferation of multiple human cancer cell lines, including HepG2, HL-60, K562, and CNE-1, with IC50 values ranging from 5 to 150 μM, supporting its relevance in anticancer and oxidative stress research.
Targets(IC50)	Others
In vitro	**Method**: Phenolic compounds isolated from Livistona chinensis fruits were tested for antioxidant activity and antiproliferative effects against HepG2, HL-60, K562, and CNE-1 cancer cell lines. **Result**: Several compounds exhibited potent antioxidant activity and antiproliferative effects with IC50 values ranging from 5 to 150 μM across multiple human cancer cell lines[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.9735 mL	14.8677 mL	29.7354 mL
5 mM	0.5947 mL	2.9735 mL	5.9471 mL
10 mM	0.2974 mL	1.4868 mL	2.9735 mL
50 mM	0.0595 mL	0.2974 mL	0.5947 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

Zeng X, et al., Bioactive phenolics from the fruits of Livistona chinensis. Fitoterapia. 2012 Jan;83(1):104-9.

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