

(E)-Benzyl ferulate

Chemical Properties

CAS No. :	132335-97-8
Formula:	C17H16O4
Molecular Weight:	284.31
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	(E)-Benzyl ferulate exhibits antimicrobial activity. (E)-Benzyl ferulate demonstrates antiproliferative effects against gastrointestinal cancer cell lines, including HCT-116 colon carcinoma, KYSE-30 oesophageal squamous carcinoma, and NCI-N87 gastric carcinoma, and is utilized in oncology-related cellular research focused on gastrointestinal tumor model systems and proliferation-associated signaling pathways.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5173 mL	17.5864 mL	35.1729 mL
5 mM	0.7035 mL	3.5173 mL	7.0346 mL
10 mM	0.3517 mL	1.7586 mL	3.5173 mL
50 mM	0.0703 mL	0.3517 mL	0.7035 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

Athikomkulchai S, et al. Chemical constituents of Thai propolis. Fitoterapia. 2013 Jul;88:96-100.

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