

5-O-Coumaroylquinic acid

Chemical Properties

CAS No. :	87099-71-6
Formula:	C16H18O8
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-Coumaroylquinic acid (3-O-Coumaroylquinic acid), exhibits significant inhibition of PTP1B and a concentration-dependent inhibitory effect on α -glucosidase, thereby demonstrating anti-hyperglycemic properties. Additionally, this compound enhances glucose uptake and inhibits PTP1B in vitro, emphasizing its potential therapeutic applications in glucose regulation.
Targets(IC50)	Others

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.

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