

3,4,5-Trihydroxycinnamic acid decyl ester Biochemical

3,4,5-Trihydroxycinnamic acid decyl ester

CATALOG #
AAA227889

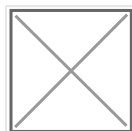
PRODUCT SYNONYMS

3; 4; 5-Trihydroxycinnamic acid decyl ester; 5-Trihydroxycinnamic acid decyl ester biochemical

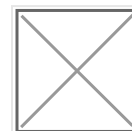
PRODUCT SPECIFICATIONS

Purity/Purification	98%
CAS	1770778-45-4
Targets&IC50	pancreatic lipase:0.9 uM (EC50)
Solubility	<1mg/ml refers to the product slightly soluble or insoluble
In vitro	3,4,5-Trihydroxycinnamic acid decyl ester (30-150 mg/kg; p.o.) suppresses a rise in blood triglyceride (TG) levels in mice given corn oil orally[1]. Animal Model: 6 weeks old Male ddY mice[1]. Dosage: 30 mg/kg, 150 mg/kg. Administration: Oral administration. Result: Reduced plasma TG in a dose-dependent manner.
Preparation and Storage	Powder: -20 degree C for 3 years In solvent: -80 degree C for 2 years

IMAGES



Structure
Ribocil-C (R enantiomer), CAS 2177266-81-6



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ADDITIONAL INFORMATION

Related Product Information for 3,4,5-Trihydroxycinnamic acid decyl ester biochemical	3,4,5-Trihydroxycinnamic acid decyl ester is an excellent inhibitor of lipid absorption and accumulation, with anti-obesity properties. 3,4,5-Trihydroxycinnamic acid decyl ester is a pancreatic lipase inhibitor, with an EC 50 of approximately 0.9 uM.
References	1. Wang H, et al. Dual-Targeting Small-Molecule Inhibitors of the Staphylococcus aureus FMN Riboswitch DisruptRiboflavin Homeostasis in an Infectious Setting. Cell Chem Biol. 2017 May 18;24(5):576-588.

For Research Use Only. Not for use in diagnostic or therapeutic procedures. Small volumes of product may become entrapped in the seal of the vial during shipment and storage; if necessary, briefly centrifuge the vial on a tabletop centrifuge to dislodge any liquid in the cap.