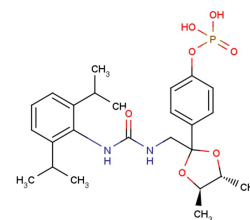


Data Sheet (Cat.No.T13262)

FCE 28654

Chemical Properties

CAS No.:	169474-77-5
Formula:	C ₂₅ H ₃₅ N ₂ O ₇ P
Molecular Weight:	506.53
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	FCE 28654 is a water-soluble acyl-CoA inhibitor.
Targets(IC ₅₀)	ACAT, Rabbit aorta: 2.55 μM ACAT, Rabbit intestine: 1.08 μM ACAT, Monkey liver: 5.69 μM
In vitro	FCE 28654 is an ACAT inhibitor, weakly inhibiting ACAT in microsomes from rabbit aorta and intestine, and monkey liver (IC ₅₀ s: 2.55, 1.08, and 5.69 μM).
In vivo	In hypercholesterolemic rats, FCE 28654 (15 mg/kg, p.o.) dramatically decreases blood cholesterol and modifies the hepatic cholesterol pattern via enhancing the free/esterified cholesterol ratio. FCE 28654 (100 mg/kg, p.o.) reduces microsomal ACAT activity rat plasma.

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.974 mL	9.871 mL	19.742 mL
5 mM	0.395 mL	1.974 mL	3.948 mL
10 mM	0.197 mL	0.987 mL	1.974 mL
50 mM	0.039 mL	0.197 mL	0.395 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. A.Chiari, et al. Synthesis and pharmacological profile of FCE 28654: A water-soluble and injectable ACAT inhibitor. *Bioorganic & Medicinal Chemistry Letters*. 1995 Aug 3;5(15):1581-1586.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481