
Product Data Sheet

Product Name: FCE 28654

Cat. No.: GC31384

Chemical Properties

Cas. No. 169474-77-5

SMILES CC(C)C(C=CC=C1C(C)C)=C1NC(NCC2(C3=CC=C(OP(O)(O)=O)C=C3)O[C@H](C)[C@@H](C)O2)=O

Formula C₂₅H₃₅N₂O₇P M.Wt 506.53

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure **Background**

FCE 28654 is a water soluble inhibitor of acylCoA: cholesterol acyltransferase (ACAT), weakly inhibiting ACAT in microsomes from rabbit aorta and intestine, and monkey liver, with IC₅₀s of 2.55, 1.08 and 5.69 μM, respectively.

FCE 28654 is an inhibitor of ACAT, weakly inhibiting ACAT in microsomes from rabbit aorta and intestine, and monkey liver, with IC₅₀s of 2.55, 1.08 and 5.69 μM, respectively[1].

FCE 28654 (15 mg/kg, p.o.) dramatically decreases blood cholesterol and modifies the hepatic cholesterol pattern via enhancing the free/esterified cholesterol ratio, in hypercholesterolemic rats. FCE 28654 (100 mg/kg, p.o.) also reduces microsomal ACAT activity rat plasma[1].

[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.

Caution: Product has not been fully validated for medical applications. For research use only.

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