

# FCE 28654

Catalog No: tcsc7433



## Available Sizes

**Size:** 1mg

**Size:** 5mg

**Size:** 10mg



## Specifications

**CAS No:**

169474-77-5

**Formula:**

$C_{25}H_{35}N_2O_7P$

**Pathway:**

Metabolic Enzyme/Protease

**Target:**

Acyltransferase

**Purity / Grade:**

>98%

**Solubility:**

10 mM in DMSO

**Observed Molecular Weight:**

506.53

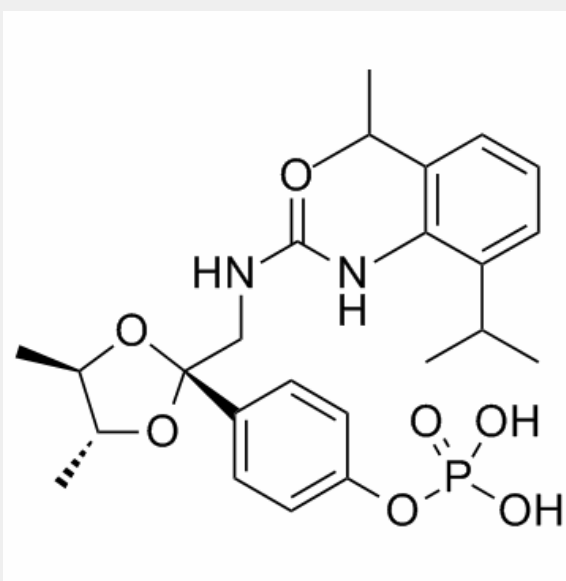
## Product Description

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 **IC<sub>50</sub>**s of 2.55, 1.08 and 5.69  $\mu$ M, respctively.

IC<sub>50</sub> & Target: IC<sub>50</sub>: 2.55  $\mu$ M (ACAT, Rabbit aorta), 1.08  $\mu$ M (ACAT, Rabbit intestine), 5.69  $\mu$ M (ACAT, Monkey liver)<sup>[1]</sup>

***In Vitro:*** FCE 28654 is an inhibitor of ACAT, weakly inhibiting ACAT in microsomes from rabbit aorta and intestine, and monkey liver, with IC<sub>50</sub>s of 2.55, 1.08 and 5.69  $\mu$ M, respectively<sup>[1]</sup>.

***In Vivo:*** 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<sup>[1]</sup>.



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!