Web: www.taiclone.com
Tel: +886-2-2735-9682
Email: order@taiclone.com

RP 70676

Catalog No: tcsc6762

Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 20mg

Specifications

CAS No:
136609-26-2

Formula:
$C_{25}H_{28}N_4S$

Pathway:
Metabolic Enzyme/Protease

Target:
Acyltransferase

Purity / Grade:
>98%

Solubility:
10 mM in DMSO

Observed Molecular Weight:
416.58

Product Description

RP 70676 is a potent inhibitor of **ACAT**, with **IC_{50}** of 25 and 44 nM for rat and rabbit ACAT.

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IC50 & Target: IC50: 25 nM (Rat ACAT), 44 nM (Rabbit ACAT)[1]

In Vitro: RP 70676 is a potent inhibitor of rabbit arterial ACAT (IC_{50} = 40 nM) and has been shown to be an effective inhibitor of ACAT derived from a number of tissues and species including man. The IC_{50} values range from 21 nM for hamster liver ACAT to 108 nM for enzyme from the intestine of cholesterol fed rabbits; in human hepatic tissues the mean IC_{50} is 44 nM. In whole cell P388D, murine macrophages the compound has an IC_{50} of 540 nM.

In Vivo: RP 70676 (10 mg/kg, p.o.) is well absorbed with plasma levels in NZW rabbits[1].