

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

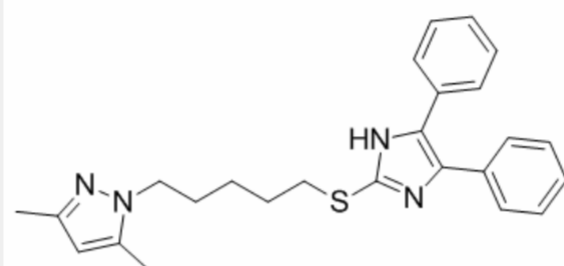
Product Description

RP 70676 is a potent inhibitor of **ACAT**, with **IC₅₀** of 25 and 44 nM for rat and rabbit ACAT.

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].



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