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

AZD7687

Catalog No: tcsc1026

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:
1166827-44-6

Formula:
$C_{21}H_{25}N_3O_3$

Pathway:
Metabolic Enzyme/Protease

Target:
Acyltransferase

Purity / Grade:
>98%

Solubility:
DMSO : ≥ 50 mg/mL (136.08 mM)

Observed Molecular Weight:
367.44

Product Description

AZD7687 is a potent and selective DGAT1 inhibitor with an IC50 value of 80 nM (hDGAT1).

IC50 value: 80 nM [1]

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Target: DGAT1

in vitro: Plasma AZD7687 exposure was measured repeatedly. Postprandial serum TAG excursion was measured during 8 h after a standardized mixed meal with fat energy content of 60% (SMM 60%; five cohorts, 1-20 mg), before (baseline) and after dosing, to assess effects on gut DGAT1 activity. AZD7687 markedly reduced postprandial TAG excursion with a steep concentration-effect relationship [2].

in vivo: Multiple doses of AZD7687 (1, 2.5, 5, 10 and 20 mg/day, n=6 or n=12 for each) or placebo (n=20) were administered for 1 week. Dose-dependent reductions in postprandial serum TAG were demonstrated with AZD7687 doses ≥5mg compared with placebo (p5 mg/day, gastrointestinal (GI) side effects increased; 11/18 of these participants discontinued treatment owing to diarrhoea [3].