

MGAT2-IN-1

Catalog No: tcsc7620



Available Sizes

Size: 1mg

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg



Specifications

CAS No:

1800025-30-2

Formula:

$C_{27}H_{21}ClF_5N_7O_3S$

Pathway:

Metabolic Enzyme/Protease

Target:

Acyltransferase

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 125 mg/mL (191.13 mM)

Observed Molecular Weight:

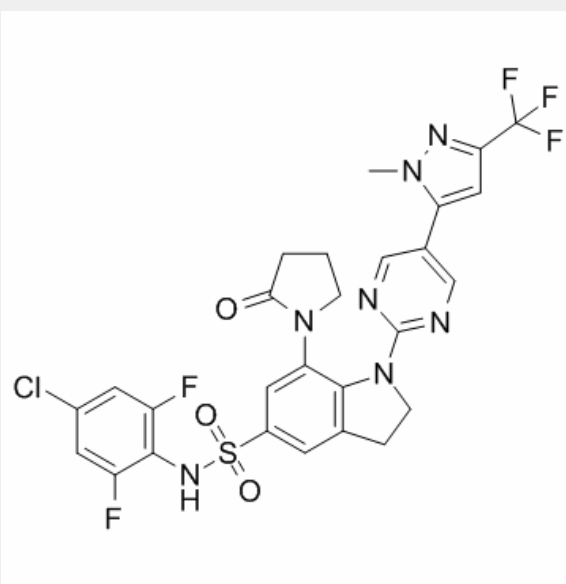
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Product Description

MGAT2-IN-1 is an orally active inhibitor of monoacylglycerol acyltransferase (MGAT2) with **IC₅₀** of 7.8 and 2.4 nM for human and mouse MGAT2, respectively.

IC50 & Target: IC50: 7.8 nM (Human MGAT2), 2.4 nM (Mouse MGAT2)^[1]

In Vivo: MGAT2-IN-1 (3, 10 mg/kg, p.o.) dose-dependently suppresses plasma TG elevation, and plasma CM/TG AUC in mice. MGAT2-IN-1 does not decrease MG absorption but inhibits MGAT2-dependent TG/DG resynthesis. In the lipid utilization analysis, MGAT2-IN-1 significantly increases free fatty acid (FFA) and acylcarnitine levels. MGAT2-IN-1 (30 mg/kg) also significantly reduces food intake dose dependently, suppresses BW gains. MGAT2-IN-1 shows anti-diabetic effects in mice^[1].



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