

Product Name	: MF-438
Synonyms	: —
Cat No.	: M22502
CAS Number	: 921605-87-0
Molecular Formula	: C ₁₉ H ₁₈ F ₃ N ₅ O ₅
Formula Weight	: 421.44
Chemical Name	: —
Description	: MF-438 is an effective and orally bioavailable stearyl-CoA desaturase 1 (SCD1) inhibitor (EC ₅₀ : 2.3 nM for rSCD1). In a mouse model, MF-438 shows an ED ₅₀ between 1 and 3 mg/kg.
Pathway	: Metabolic Enzyme/Protease
Target	: Dehydrogenase
Receptor	: SCD
Solubility	: DMSO:62.5 mg/mL (148.30 mM; Need ultrasonic)
SMILES	: <chem>Cc1nnc(s1)-c1ccc(nn1)N1CCC(CC1)Oc1ccccc1C(F)(F)F</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1.Léger S, et al. Synthesis and biological activity of a potent and orally bioavailable SCD inhibitor (MF-438). Bioorg Med Chem Lett. 2010 Jan 15;20(2):499-502.