

Product Information

Stearoyl-CoA desaturase (SCD) inhibitor, MK-8245 trifluoroacetate, Purity ≥98%

Cat. No.: X24-09-YM650

Size: 5 mg; 10 mg; 20 mg; 50 mg

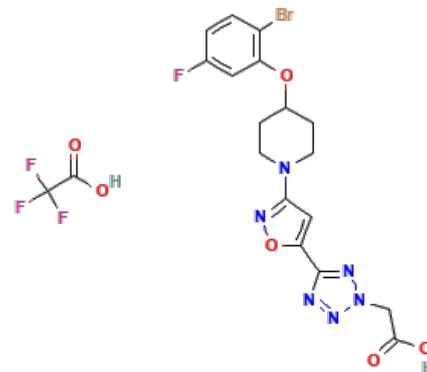
CAS Number: 1415559-41-9

Compound CID: 66577003

Synonym: 1415559-41-9; MK 8245 trifluoroacetate; MK8245 trifluoroacetate;

2-[5-[3-[4-(2-Bromo-5-fluorophenoxy)piperidin-1-yl]-1,2-oxazol-5-yl]tetrazol-2-yl]acetic acid; 2,2,2-trifluoroacetic acid; Stearoyl-CoA desaturase (SCD) inhibitor

This product is for research use only and is not intended for diagnostic use.



Product Information

Description	MK-8245 trifluoroacetate is an effective metabolism inhibitor, that has the ability to prevent the pathway of cell metabolism by inhibiting stearoyl-CoA desaturase (SCD). The molecular weight of the compound is 581.27, and its molecular formula is C ₁₉ H ₁₇ BrF ₄ N ₆ O ₆ .
Molecular Weight	581.27
Molecular Formula	C ₁₉ H ₁₇ BrF ₄ N ₆ O ₆
IUPAC Name	2-[5-[3-[4-(2-Bromo-5-fluorophenoxy)piperidin-1-yl]-1,2-oxazol-5-yl]tetrazol-2-yl]acetic acid;2,2,2-trifluoroacetic acid
InChI	InChI=1S/C17H16BrFN6O4.C2HF3O2/c18-12-2-1-10(19)7-13(12)28-11-3-5-24(6-4-11)15-8-14(29-22-15)17-20-23-25(21-17)9-16(26)27;3-2(4,5)1(6)7/h1-2,7-8,11H,3-6,9H2,(H,26,27);(H,6,7)
InChI Key	LEBPCMXFQYATAK-UHFFFAOYSA-N
Canonical SMILES	C1CN(CCC1OC2=C(C=CC(=C2)F)Br)C3=NOC(=C3)C4=NN(N=N4)CC(=O)O.C(=O)(C(F)(F)F)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade
Applications	MK-8245 trifluoroacetate displays the significant potential to act as an effective inhibitor of β-secretase (BACE1), an enzyme involved in the cleavage of amyloid precursor protein (APP), leading to the production of amyloid-beta peptides.



Storage

Store at -20°C, and keep desiccated.
