

Product Name	: MK-0812
Synonyms	: MK 0812;MK0812
Cat No.	: M15363
CAS Number	: 624733-88-6
Molecular Formula	: C ₂₄ H ₃₄ F ₃ N ₃ O ₃
Formula Weight	: 469.54
Chemical Name	: D-erythro-Pentitol, 1,5-anhydro-2,3-dideoxy-3-[[[(1R,3S)-3-[[7,8-dihydro-3-(trifluoromethyl)-1,6-naphthyridin-6(5H)-yl]carbonyl]-3-(1-methylethyl)cyclopentyl]amino]-4-O-methyl-
Description	: A potent CCR2 specific antagonist that blocks MCP-1 mediated response with an IC ₅₀ of 3.2 nM; inhibits 125I-MCP-1 binding on isolated monocytes with IC ₅₀ of 4.5 nM; reduces macrophage accumulation in adipose tissue in ob/ob mice. Multiple Sclerosis Phase 2 Discontinued
Pathway	: GPCR/G Protein
Target	: Chemokine Receptor
Receptor	: Chemokine Receptor
Solubility	: 10 mM in DMSO
SMILES	: <chem>CC(C)[C@@]1(CC[C@H](C1)N[C@H]2CCOC[C@H]2OC)C(=O)N3CCC4=NC=C(C(C=C4)C(F)(F)F)</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Wisniewski T, et al. J Immunol Methods. 2010 Jan 31;352(1-2):101-10. | 2. O'Brien PD, et al. Diabetes Obes Metab. 2017 Mar 23. doi: 10.1111/dom.12950. | 3. Min SH, et al. Biochem Biophys Res Commun. 2010 Jan 1;391(1):1080-6.