

Product Name	: Taranabant
Synonyms	: MK-0364;MK0364
Cat No.	: M15694
CAS Number	: 701977-09-5
Molecular Formula	: C ₂₇ H ₂₅ ClF ₃ N ₃ O ₂
Formula Weight	: 515.95
Chemical Name	: Propanamide, N-[(1S,2S)-3-(4-chlorophenyl)-2-(3-cyanophenyl)-1-methylpropyl]-2-methyl-2-[[5-(trifluoromethyl)-2-pyridinyl]oxy]-
Description	A potent, selective and orally active cannabinoid-1 receptor (CB1R) inverse agonist with IC₅₀ of 2.8 nM, K_i of 0.13 nM; displays >1000-fold selectivity over CB2R (K_i=170 nM), AT1R, NK2R, A3R, MT1R, D1R, etc.; dose-dependently inhibits food intake and weight gain in diet-induced obese (DIO) rats with an acute minimum effective dose of 1 mg/kg and has good pharmacokinetic. Obesity Phase 3 Discontinued
Pathway	: GPCR/G Protein
Target	: Cannabinoid Receptor
Receptor	: Cannabinoid Receptor
Solubility	: DMSO: ≥ 42 mg/mL
SMILES	: <chem>CC(OC1=NC=C(C(F)(F)F)C=C1)C)C(N[C@H]([C@H](C2=CC=CC(C#N)=C2)CC3=CC=C(C(Cl)=C3)C)=O</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Armstrong HE, et al. Bioorg Med Chem Lett. 2007 Apr 15;17(8):2184-7. 2. Fong TM, et al. J Pharmacol Exp Ther. 2007 Jun;321(3):1013-22. 3. Addy C, et al. Cell Metab. 2008 Jan;7(1):68-78.