

Product Name : Otenabant
Synonyms : CP 945598; CP-945598; CP945598

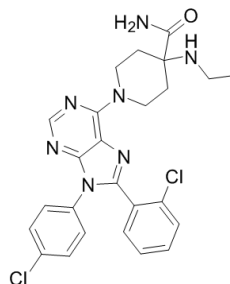
Cat No. : M15622

CAS Number : 686344-29-6

Molecular Formula : C₂₅H₂₅Cl₂N₇O

Formula Weight : 510.42

Chemical Name : 4-Piperidinecarboxamide, 1-[8-(2-chlorophenyl)-9-(4-chlorophenyl)-9H-purin-6-yl]-4-(ethylamino)-



Description : A potent, and selective CB1 receptor antagonist with K_i of 0.7 nM/0.12 nM in binding and functional assays respectively; has low affinity (K_i=7600 nM) for human CB2 receptors; reverses cannabinoid agonist mediated responses, reduces food intake, and increases energy expenditure and fat oxidation in rodents. Obesity Phase 3 Discontinued

Pathway : GPCR/G Protein

Target : Cannabinoid Receptor

Receptor : CB1

Solubility : 10 mM in DMSO

SMILES : CCNC1(CCN(CC1)C2=NC=NC3=C2N=C(N3C4=CC=C(C=C4)Cl)C5=CC=CC=C5Cl)C(=O)N

Storage : (-20°C)

Stability : ≥ 2 years

Reference :

1. Fulp A, et al. J Med Chem. 2012 Nov 26;55(22):10022-32. | 2. Hadcock JR, et al. Biochem Biophys Res Commun. 2010 Apr 2;394(2):366-71. | 3. Aronne LJ, et al. Obesity (Silver Spring). 2011 Jul;19(7):1404-14.