

Product Datasheet

Otenabant (orb1224245)

Catalog Number	orb1224245
Category	Small Molecules
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.
Target	Cannabinoid Receptor
Purity	>98% (HPLC)
MW	510.4183
Target Areas	CB1
Solubility (25°C)	10 mM in DMSO
CAS Number	686344-29-6
Formula	$C_{25}H_{25}Cl_2N_7O$
SMILES	<chem>CCNC1(CCN(CC1)C2=NC=NC3=C2N=C(N3C4=CC=C(C=C4)Cl)C5=CC=CC=C5Cl)C(=O)N</chem>
Chemical Name	4-Piperidinecarboxamide, 1-[8-(2-chlorophenyl)-9-(4-chlorophenyl)-9H-purin-6-yl]-4-(ethylamino)-
Storage	Storage temperature: -20°C. Stability: ≥ 2 years
Note	For research use only
Expiration Date	12 months from date of receipt.

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