

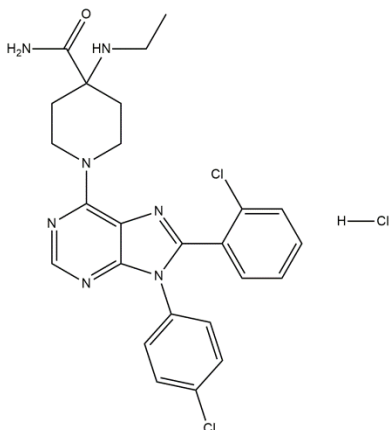
Otenabant Hydrochloride

02/21

ALTERNATE NAMES: CP-945598 HCl; CP-945,598; 1-[8-(2-chlorophenyl)-9-(4-chlorophenyl)purin-6-yl]-4-(ethylamino)piperidine-4-carboxamide;hydrochloride; 1-[9-(4-chlorophenyl)-8-(2-chlorophenyl)-9H-purin-6-yl]-4-ethylaminopiperidine-4-carboxylic acid amide hydrochloride

CATALOG #: B3117-5 5 mg
B3117-25 25 mg

STRUCTURE:



MOLECULAR FORMULA: C₂₅H₂₆Cl₃N₇O

MOLECULAR WEIGHT: 546.88

CAS NUMBER: 686347-12-6

APPEARANCE: White to off-white solid powder

PURITY: ≥ 98%

SOLUBILITY: ~0.3 mg/ml in DMSO (may need gentle warming)

DESCRIPTION: Otenabant is a novel cannabinoid type 1 (CB1) receptor antagonist. It is effective at subnanomolar concentrations at human CB1 receptors in binding and functional assays, with K_i values of 0.7 nM and 0.12 nM respectively. It reverses cannabinoid agonist-induced responses, reduces food intake, and increases energy expenditure and oxidation of fat in rodent models.

STORAGE TEMPERATURE: -20 °C

HANDLING: Do not take internally. Wear gloves and mask when handling the product! Avoid contact by all modes of exposure.

REFERENCE: Griffith, D.A., Hadcock, J.R., Black, S.C., et al. Discovery of 1-[9-(4-chlorophenyl)-8-(2-chlorophenyl)-9H-purin-6-yl]-4-ethylaminopiperidine-4-carboxylic acid amide hydrochloride (CP-945,598), a novel, potent, and selective cannabinoid type 1 receptor antagonist. J. Med. Chem. 52(2), 234-237 (2009).

RELATED PRODUCTS:

WIN 55,212-2 Mesylate (Cat. No. B3012)
 BAY 59-3074 (Cat. No. B1247)
 Leelamine hydrochloride (Cat. No. 2717)
 Arachidonoyl 2'-Chloroethylamide (Cat. No. B3015)
 SR-144528 (Cat. No. B2615)

DISCLAIMER: *FOR RESEARCH USE ONLY! Not to be used on humans.*