PRODUCT INFORMATION

CP 945,598 (hydrochloride)
Item No. 11955

CAS Registry No.: 686347-12-6
Formal Name: 1-[8-(2-chlorophenyl)-9-4-chlorophenyl)-9H-purine-6-yl]-4-ethylamino)-4-piperidinecarboxamide, monohydrochloride
Synonym: Otenabant
MF: C25H25Cl2N7O • HCl
FW: 546.9
Purity: ≥98%
UV/Vis.: λmax: 281 nm
Supplied as: A crystalline solid
Storage: -20°C
Stability: As supplied, 2 years from the QC date provided on the Certificate of Analysis, when stored properly

Laboratory Procedures

CP 945,598 (hydrochloride) is supplied as a crystalline solid. A stock solution may be made by dissolving the CP 945,598 (hydrochloride) in the solvent of choice. CP 945,598 (hydrochloride) is soluble in the organic solvent DMSO, which should be purged with an inert gas, at a concentration of approximately 0.30 mg/ml.

Description

CP 945,598 (hydrochloride) is a selective antagonist of the cannabinoid receptor CB1, with a K_i value of 0.7 nM and demonstrates relatively low affinity for CB2 receptors (K_i = 7.6 µM).1,2 It is reported to reverse cannabinoid agonist-mediated responses (i.e., hypo-locomotion, hypothermia, analgesia, and catalepsy), to reduce food intake, and to increase energy expenditure as well as fat oxidation in rats.1,2

References