Product Name: CP 945598 hydrochloride
Catalog No.: 4236
Batch No.: 1
CAS Number: 686347-12-6
IUPAC Name: 1-[8-(2-Chlorophenyl)-9-(4-chlorophenyl)-9H-purin-6-yl]-4-(ethylamino)piperidine-4-carboxamide hydrochloride

1. PHYSICAL AND CHEMICAL PROPERTIES

- **Batch Molecular Formula:** C_{25}H_{25}Cl_{2}N_{7}O.HCl
- **Batch Molecular Weight:** 546.88
- **Physical Appearance:** White solid
- **Solubility:** DMSO to 20 mM
- **Storage:** Store at +4°C

2. ANALYTICAL DATA

- **HPLC:** Shows 99.5% purity
- **^{1}H NMR:** Consistent with structure
- **Mass Spectrum:** Consistent with structure
- **Microanalysis:**

<table>
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<th>Theoretical</th>
<th>Found</th>
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<tr>
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Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use
Product Name: CP 945598 hydrochloride
Catalog No.: 4236
Batch No.: 1

Description:
CP 945598 hydrochloride is a selective, high affinity CB₁ antagonist (Kᵢ values are 0.7 and 0.12 nM in binding and functional assays respectively). Displays low affinity for CB₂ receptors (Kᵢ = 7600 nM).

Physical and Chemical Properties:
Batch Molecular Formula: C₂₅H₂₆Cl₂N₃O.HCl
Batch Molecular Weight: 546.88
Physical Appearance: White solid
Minimum Purity: ≥99%

Batch Molecular Structure:

Storage: Store at +4°C

Solubility & Usage Info:
DMSO to 20 mM

Stability and Solubility Advice:
Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:
SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.
SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

Licensing Information:
Sold for research purposes under agreement from Pfizer Inc.

References:
Griffith et al (2009) 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. 52 234. PMID: 19102698.