
Product Data Sheet

Product Name: CP 122721 hydrochloride

Cat. No.: GC50042

Chemical Properties

Cas. No. 145877-52-7

SMILES Cl.Cl.COC1=C(CN[C@H]2CCCN[C@H]2C2=CC=CC=C2)C=C(OC(F)(F)F)C=C1Formula $C_{20}H_{23}F_3N_2O_2 \cdot 2HCl$ M.Wt 453.33

Solubility Soluble in DMSO Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure **Background**

High affinity NK1 antagonist (pIC₅₀ = 9.8). Suppresses recruitment of immunocytes in respiratory syncytial virus (RSV)-infected rats after capsaicin stimulation. Also blocks substance P-induced excitation of locus ceruleus cells in guinea pig brain slices (IC₅₀ = 7 nM). Exhibits anxiolytic and antidepressant-like effects. Active in vivo.

McLean et al (1996) Characterization of CP-122,721; a nonpeptide antagonist of the neurokinin NK1 receptor. J.Pharmacol.Exp.Ther. 277 900 PMID:8627572 |Gonsalves et al (1996) Broad spectrum antiemetic effects of CP-122,721, a tachykinin NK1 receptor antagonist, in ferrets. Eur.J.Pharmacol. 305 181 PMID:8813551 |Auais et al (2003) Immunomodulatory effects of sensory nerves during respiratory syncytial virus infection in rats. Am.J.Physiol. Lung Cell Mol.Physiol. 285 L105 PMID:12639840

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA