
Product Data Sheet

Product Name: R 121919 hydrochloride

Cat. No.: GC50488

Chemical Properties

Cas. No. 195055-66-4

SMILES CCCN(C1=CC(C)=NC2=C(C3=CN=C(N(C)C)C=C3C)C(C)=NN12)CCC.Cl

Formula $C_{22}H_{32}N_6.HCl$ M.Wt 416.99

Solubility Soluble in DMSO Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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 corticotropin releasing factor receptor1 (CRF1) antagonist ($K_i = 3.5$ nM). Reduces stress-induced elevations of plasma ACTH. Anxiolytic and antidepressant in vivo. Orally bioavailable.

Chen and Grigoriadis (2005) NBI 30775 (R121919), an orally active antagonist of the corticotropin-releasing factor (CRF) type-1 receptor for the treatment of anxiety and depression. Drug Dev.Res. 65 216 |Jutkiewicz et al (2005) The effects of CRF antagonists, antalarmin, CP154,526, LWH234, and R121919, in the forced swim test and on swim-induced increases in adrenocorticotropin in rats. Psychopharmacology (Berl). 180 215 PMID:15696320 |Gutman et al (2003) The corticotropin-releasing factor1 receptor antagonist R121919 attenuates the behavioral and endocrine responses to stress. J.Pharmacol.Exp.Ther. 304 874 PMID:12538845 |Heinrichs et al (2002) Brain penetrance, receptor occupancy and antistress in vivo efficacy of a small molecule cortico. releasing factor type I receptor selective antagonist. Neuropsychopharmacology 27 194 PMID:12093593

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

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