
Product Data Sheet

Product Name: KRH 3955 hydrochloride

Cat. No.: GC50351

Chemical Properties

Cas. No. 2253744-59-9

SMILES CCCN(CCCCN(CC1=CC=C(C=C1)CN(CC2=NC=CN2C)CC3=NC=CN3)C)CCC.Cl.Cl.Cl

Formula $C_{28}H_{45}N_7 \cdot 3HCl$ M.Wt 589.09

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

Highly potent CXCR4 antagonist ($IC_{50} = 0.61$ nM). Displays selectivity for CXCR4 over a range of other CXC receptors. Inhibits replication of HIV-1 viruses in human PBMC (EC_{50} values are 0.33 to 1.4 nM). Suppresses HIV-1 infection in mice. Orally bioavailable.

Murakami et al (2009) The novel CXCR4 antagonist KRH-3955 is an orally bioavailable and extremely potent inhibitor of human immunodeficiency virus type 1 infection: comparative studies with AMD3100. *Antimicrob. Agents Chemother.* 53 2940 PMID:19451305 | Iwasaki et al (2009) Efficient inhibition of SDF-1 α -mediated chemotaxis and HIV-1 infection by novel CXCR4 antagonists. *Cancer Sci.* 100 778 PMID:19245436

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