
Product Data Sheet

Product Name: SK 609
Cat. No.: GC50644

Chemical Properties

Cas. No. 1092797-77-7

SMILES CC(CCC1=C(C=CC=C1)Cl)N.Cl

Formula $C_{10}H_{14}ClN.HCl$ M.Wt 220.14

Solubility DMSO : 125 mg/mL (567.82 mM; Need ultrasonic) 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

Dopamine D3 receptor biased agonist. Preferentially signals via the G protein-dependent pathway (EC50 values for G protein and β -arrestin-dependent signaling are 1.1 and 50.2 μ M, respectively). Exhibits selectivity for D3 over D2 receptors. Improves motor deficits in rodent Parkinson's disease models and ameliorates L-DOPA induced abnormal involuntary movements.

Xu et al (2017) Functional characterization of a novel series of biased signaling dopamine D3 receptor agonists. ACS Chem.Neurosci. 8 486 PMID:27801563 | Simms et al (2016) In vivo characterization of a novel dopamine D3 receptor agonist to treat motor symptoms of Parkinson's disease. Neuropharmacology 100 106 PMID:25896768

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

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