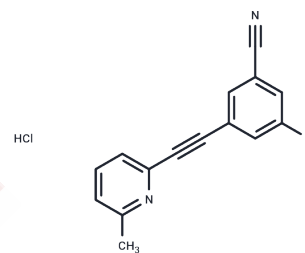


MFZ 10-7 hydrochloride

Chemical Properties

CAS No. :	1779796-36-9
Formula:	C ₁₅ H ₁₀ ClFN ₂
Molecular Weight:	272.71
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



Biological Description

Description	MFZ 10-7 hydrochloride is a highly potent and selective negative allosteric modulator of mGluR5 (NAM).
Targets(IC50)	GluR
In vitro	MFZ 10-7 hydrochloride has approximately 1150- and 3000-fold lower affinity for MAO-B and TXA ₂ , respectively, compared to mGluR5[1].
In vivo	MFZ 10-7 hydrochloride decreases the rate of oral sucrose self-administration without affecting the overall sucrose consumption[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6669 mL	18.3345 mL	36.669 mL
5 mM	0.7334 mL	3.6669 mL	7.3338 mL
10 mM	0.3667 mL	1.8334 mL	3.6669 mL
50 mM	0.0733 mL	0.3667 mL	0.7334 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Thomas M Keck, et al. A Novel mGluR5 Antagonist, MFZ 10-7, Inhibits Cocaine-Taking and Cocaine-Seeking Behavior in Rats. *Addict Biol.* 2014 Mar;19(2):195-209.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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