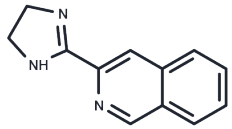
Data Sheet (Cat.No.T22052)

TargetMol

BU 226 hydrochloride

Chemical Properties



CAS No. : 1186195-56-1

Formula: C12H12ClN3

Molecular Weight: 233.7

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	BU 226 hydrochloride demonstrates affinity for imidazoline (I) receptors, in particular the I2 binding site with a Ki of 1.4 nM. BU 226 hydrochloride showed low (microM) affinity for alpha 2-adrenoceptors.
Targets(IC50)	Imidazoline Receptor

Solubility Information

Solubility	DMSO: 2.35 mg/mL (10.06 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.279 mL	21.395 mL	42.7899 mL
5 mM	0.8558 mL	4.279 mL	8.558 mL
10 mM	0.4279 mL	2.1395 mL	4.279 mL
50 mM	0.0856 mL	0.4279 mL	0.8558 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

Hudson AL, et al. Novel selective compounds for the investigation of imidazoline receptors. Ann N Y Acad Sci. 1999 Jun 21;881:81-91.

Anderson NJ, et al. Characterisation of imidazoline I2 binding sites in pig brain. Eur J Pharmacol. 2005 Sep 5;519(1-2):68-74.

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