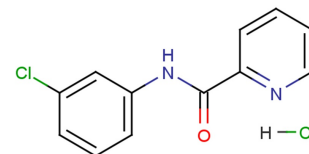


VU0364770 hydrochloride

Chemical Properties

CAS No.:	1414842-70-8
Formula:	C ₁₂ H ₁₀ Cl ₂ N ₂ O
Molecular Weight:	269.13
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	VU0364770 hydrochloride is a potent and selective mGlu4 positive allosteric modulator (PAM) (EC50s: 290 nM and 1.1 μM at rat mGlu4 and human mGlu4 receptor, respectively).
Targets(IC ₅₀)	Rat mGlu4: 290 nM (EC50) Human mGlu4: 1.1 μM (EC50) mGlu6: 6.8 μM (EC50) mGlu5: 17.9 μM (EC50)

Solubility Information

Solubility	DMSO: 100 mg/mL (371.57 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.716 mL	18.578 mL	37.157 mL
5 mM	0.743 mL	3.716 mL	7.431 mL
10 mM	0.372 mL	1.858 mL	3.716 mL
50 mM	0.074 mL	0.372 mL	0.743 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. The storage conditions and period of the stock solution: - 80 °C for 6 months; - 20 °C for 1 month. Please use it as soon as possible.

Reference

1. Jones CK, et al. The metabotropic glutamate receptor 4-positive allosteric modulator VU0364770 produces efficacy alone and in combination with L-DOPA or an adenosine 2A antagonist in preclinical rodent models of Parkinson's disease. *J Pharmacol Exp Ther*. 2012 Feb;340(2):404-21.

Inhibitors · Natural Compounds · Compound Libraries

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Tel:781-999-4286

E-mail:info@targetmol.com

Address:36 Washington Street,Wellesley Hills,MA 02481