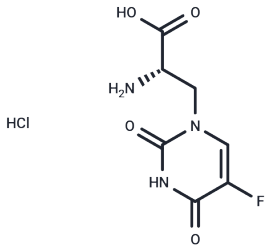
Data Sheet (Cat.No.T13480L)

TargetMol

(S)-(-)-5-Fluorowillardiine hydrochloride

Chemical Properties



CAS No. : 1321546-70-6

Formula: C7H9ClFN3O4

Molecular Weight: 253.62

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	(S)-(-)-5-Fluorowillardiine hydrochloride is a potent and specific agonist of AMPAR.
Targets(IC50)	Others,iGluR

Solubility Information

Solubility	H2O: 6.67 mg/mL (26.3 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.9429 mL	19.7145 mL	39.4291 mL
5 mM	0.7886 mL	3.9429 mL	7.8858 mL
10 mM	0.3943 mL	1.9715 mL	3.9429 mL
50 mM	0.0789 mL	0.3943 mL	0.7886 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

Hawkinson JE, et al. Effects of thiocyanate and AMPA receptor ligands on (S)-5-fluorowillardiine, (S)-AMPA and (R, S)-AMPA binding. Eur J Pharmacol. 1997 Jun 25;329(2-3):213-21.

Kessler M, et al. Use of [3H]fluorowillardiine to study properties of AMPA receptor allosteric modulators. Brain Res. 2006 Mar 3;1076(1):25-41.

Rembach A, et al. Antisense peptide nucleic acid targeting GluR3 delays disease onset and progression in the SOD1 G93A mouse model of familial ALS. J Neurosci Res. 2004 Aug 15;77(4):573-82.

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