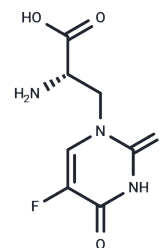


(S)-(-)-5-Fluorowillardiine

Chemical Properties

CAS No. :	140187-23-1
Formula:	C7H8FN3O4
Molecular Weight:	217.15
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 ((S)-5-Fluorowillardiine) is an AMPA receptor-specific agonist.
Targets(IC50)	iGluR

Solubility Information

Solubility	1eq. NaOH: 10.86 mg/mL (50.01 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.6051 mL	23.0256 mL	46.0511 mL
5 mM	0.921 mL	4.6051 mL	9.2102 mL
10 mM	0.4605 mL	2.3026 mL	4.6051 mL
50 mM	0.0921 mL	0.4605 mL	0.921 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

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.

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.

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481