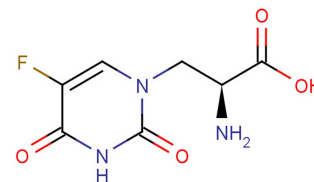


(S)-(-)-5-Fluorowillardiine

Chemical Properties

CAS No.:	140187-23-1
Formula:	C ₇ H ₈ FN ₃ O ₄
Molecular Weight:	217.15
Appearance:	N/A
Storage:	0-4°C for short term (days to weeks), or -20°C for long term (months).



Biological Description

Description	(S)-(-)-5-Fluorowillardiine is a potent and specific agonist of AMPAR.
Targets(IC ₅₀)	Others: None

Solubility Information

Solubility	< 1 mg/ml refers to the product slightly soluble or insoluble
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.605 mL	23.026 mL	46.051 mL
5 mM	0.921 mL	4.605 mL	9.21 mL
10 mM	0.461 mL	2.303 mL	4.605 mL
50 mM	0.092 mL	0.461 mL	0.921 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. 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.
2. 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.
3. 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.

Inhibitors · Natural Compounds · Compound Libraries

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