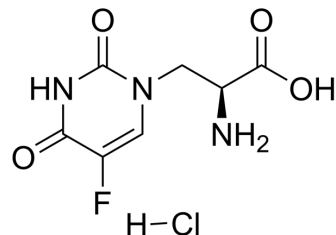


(S)-(-)-5-Fluorowillardiine hydrochloride

Cat. No.:	HY-16713A
CAS No.:	1321546-70-6
Molecular Formula:	C ₇ H ₉ ClFN ₃ O ₄
Molecular Weight:	253.62
Target:	iGluR
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

H₂O : 6.67 mg/mL (26.30 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	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

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

(S)-(-)-5-Fluorowillardiine hydrochloride is a potent and specific AMPAR agonist.

IC₅₀ & Target

AMPA Receptor

REFERENCES

- [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.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA