

Product Data Sheet

Product Name: (S)-(-)-5-Fluorowillardiine hydrochloride

Cat. No.: GC34998

Chemical Properties

Cas. No. 1321546-70-6

SMILES OC([C@@H](N)CN1C=C(F)C(NC1=O)=O)=O.[H]Cl

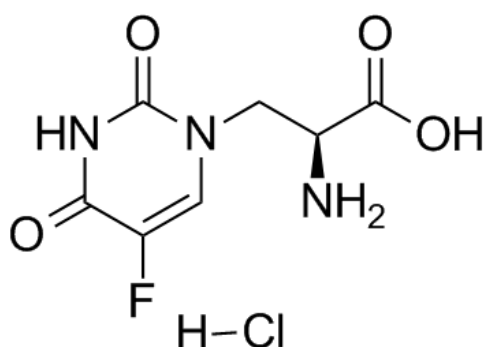
Formula $C_7H_9ClFN_3O_4$ M.Wt 253.62

Solubility Water: 6.67 mg/mL (26.30 mM) Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

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

[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

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA

Product Data Sheet

Neurosci Res. 2004 Aug 15;77(4):573-82.

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

Tel: (909) 407-4943 Fax: (626) 353-8530 E-mail: tech@glpbio.com

Address: 10292 Central Ave. #205, Montclair, CA, USA