

Product Data Sheet

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

Cat. No.: GC11889

Chemical Properties

Cas. No. 140187-23-1

Chemical Name (S)-2-amino-3-(5-fluoro-2,4-dioxo-3,4-dihydropyrimidin-1(2H)-yl)propanoic acid

SMILES FC1=CN(C(NC1=O)=O)C[C@@H](C(O)=O)N

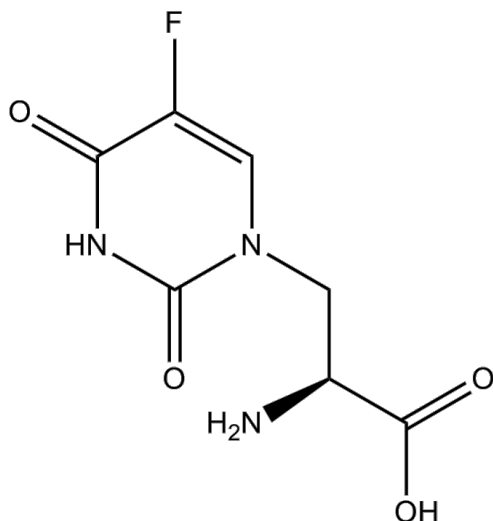
Formula C7H8FN3O4 M.Wt 217.16

Solubility Soluble to 50 mM in 1.1eq. NaOH Storage Store at 2-8°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 is a potent and specific AMPAR agonist.

References:

[1]. Hawkinson JE, et al. Effects of thiocyanate and AMPA receptor ligands on (S)-5-fluorowillardiine,

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

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(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.

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