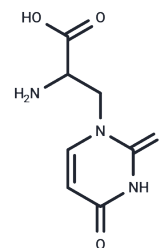


## DL-Willardiine

## Chemical Properties

CAS No. :	19772-76-0
Formula:	C7H9N3O4
Molecular Weight:	199.16
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	DL-Willardiine (2-amino-3-(2,4-dioxo-1,2,3,4-tetrahydropyrimidin-1-yl)propanoic acid) is an unnatural amino acid, a derivative of glutamate. It is an agonist of mGluR5, which regulates the activity of enzymes involved in neurotransmitter synthesis and catabolism, and affects the activity of ion channels and other membrane proteins.
Targets(IC50)	Others,iGluR

## Solubility Information

Solubility	DMSO: < 1.99 mg/mL (10 mM, insoluble or slightly soluble) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0211 mL	25.1054 mL	50.2109 mL
5 mM	1.0042 mL	5.0211 mL	10.0422 mL
10 mM	0.5021 mL	2.5105 mL	5.0211 mL
50 mM	0.1004 mL	0.5021 mL	1.0042 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.

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