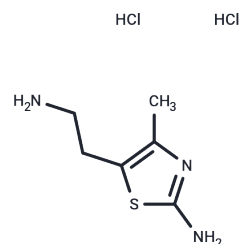


Amthamine 2HCl

Chemical Properties

CAS No. :	136604-58-5
Formula:	C ₆ H ₁₃ Cl ₂ N ₃ S
Molecular Weight:	230.159
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	5-(2-aminoethyl)-4-methyl-1,3-thiazol-2-amine dihydrochloride is a potent and selective antagonist of metabotropic glutamate receptor 5 (mGluR5). It has been shown to be effective in several neurological disorders, including fragile X syndrome, autism spectrum disorders, and addiction.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 14.67 mg/mL (63.74 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.3448 mL	21.724 mL	43.448 mL
5 mM	0.869 mL	4.3448 mL	8.6896 mL
10 mM	0.4345 mL	2.1724 mL	4.3448 mL
50 mM	0.0869 mL	0.4345 mL	0.869 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

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