Data Sheet (Cat.No.T5978)

TargetMol

2,3-Diaminopropionic acid hydrochloride

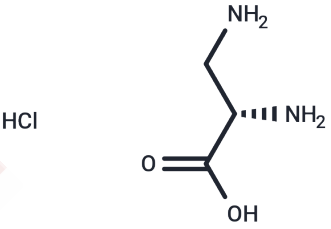
Chemical Properties

CAS No. : 1482-97-9

Formula: C3H9ClN2O2

Molecular Weight: 140.57

Storage: Keep away from moisture
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	2,3-Diaminopropionic acid hydrochloride (3-Amino-L-alanine hydrochloride) is a competitive cystathionase(CTH) inhibitor.
Targets(IC50)	Others,Endogenous Metabolite,Tyrosinase

Solubility Information

Solubility	H2O: 100 mg/mL (711.39 mM),Sonication is recommended. DMSO: insolube (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.1139 mL	35.5695 mL	71.1389 mL
5 mM	1.4228 mL	7.1139 mL	14.2278 mL
10 mM	0.7114 mL	3.5569 mL	7.1139 mL
50 mM	0.1423 mL	0.7114 mL	1.4228 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.

Reference

Mushahwar I K , Koeppe R E . Rat liver L-diaminopropionate ammonia lyase. Identification as cystathionase[J]. Journal of Biological Chemistry, 1973, 248(21):7407-7411.

Sondhi S M , Singh N , Johar M , et al. Synthesis, anti-inflammatory and analgesic activities evaluation of some mono, bi and tricyclic pyrimidine derivatives[J]. Bioorganic & Medicinal Chemistry, 2005, 13(22):6158-6166.

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