

β -N-methylamino-L-alanine hydrochloride

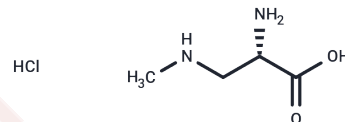
Chemical Properties

CAS No. : 16012-55-8

Formula: C₄H₁₁ClN₂O₂

Molecular Weight: 154.6

Storage: Store at low temperature, Keep away from direct sunlight, 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	β -N-Methylamino-L-alanine hydrochloride (L-BMAA hydrochloride) is a neurotoxin produced by cyanobacteria that may contribute to the development of amyotrophic lateral sclerosis (ALS) and possibly other neurodegenerative diseases.
Targets(IC50)	Others, Antibacterial, GluR, PKC

Solubility Information

Solubility	H ₂ O: 115 mg/mL (743.86 mM), Sonication is recommended. DMSO: < 1 mg/mL (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	6.4683 mL	32.3415 mL	64.6831 mL
5 mM	1.2937 mL	6.4683 mL	12.9366 mL
10 mM	0.6468 mL	3.2342 mL	6.4683 mL
50 mM	0.1294 mL	0.6468 mL	1.2937 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

- Caller T, et, al. The Potential Role of BMAA in Neurodegeneration. Neurotox Res. 2018 Jan; 33(1): 222-226.
 Cox PA, et, al. BMAA and Neurodegenerative Illness. Neurotox Res. 2018 Jan; 33(1): 178-183.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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