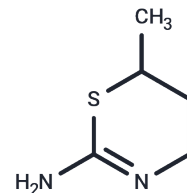


AMT hydrochloride

Chemical Properties

CAS No. :	21463-31-0
Formula:	C ₅ H ₁₁ ClN ₂ S
Molecular Weight:	166.67
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.

HCl



Biological Description

Description	AMT hydrochloride is a potent, selective, and reversible inhibitor of inducible nitric oxide synthase (iNOS) with an IC ₅₀ of 3.6 nM, showing approximately 30-fold and 40-fold selectivity over nNOS and eNOS respectively, AMT hydrochloride is extensively used in inflammation, immunology, and cardiovascular research to dissect nitric oxide-mediated pathological processes.
Targets(IC ₅₀)	NOS

Solubility Information

Solubility	H ₂ O: Soluble, DMSO: 40 mg/mL (240 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	5.9999 mL	29.9994 mL	59.9988 mL
5 mM	1.200 mL	5.9999 mL	11.9998 mL
10 mM	0.600 mL	2.9999 mL	5.9999 mL
50 mM	0.120 mL	0.600 mL	1.200 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

Nakane M, et al. Novel potent and selective inhibitors of inducible nitric oxide synthase. Mol Pharmacol. 1995;47(4):831-834.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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