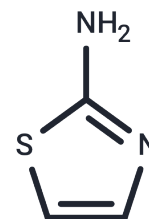


Aminothiazole

Chemical Properties

CAS No. :	96-50-4
Formula:	C ₃ H ₄ N ₂ S
Molecular Weight:	100.14
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Aminothiazole (2-Aminothiazole), a thyroid inhibitor, displays antibacterial activity.
Targets(IC50)	Antibacterial,Antibiotic,Antifungal,Virus Protease
In vitro	In mice, Aminothiazole prevents myocardial damage through its antioxidative activity.
In vivo	Aminothiazole demonstrates significant antifungal activity, notably exhibiting a pronounced selectivity towards yeasts. At micromolar concentration levels, it effectively inhibits the growth of <i>Saccharomyces cerevisiae</i> .

Solubility Information

Solubility	DMSO: 55 mg/mL (549.23 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	9.986 mL	49.9301 mL	99.8602 mL
5 mM	1.9972 mL	9.986 mL	19.972 mL
10 mM	0.9986 mL	4.993 mL	9.986 mL
50 mM	0.1997 mL	0.9986 mL	1.9972 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.

Reference

- Edwards JA, et al. Antimicrob Agents Chemother, 2013.
De S, et al. Cell Biochem Biophys, 2011.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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