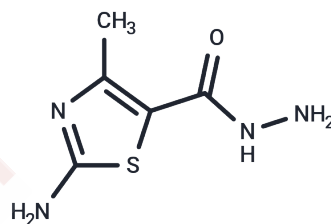


2-amino-4-methyl-1,3-thiazole-5-carbohydrazide

Chemical Properties

CAS No. :	63788-59-0
Formula:	C ₅ H ₈ N ₄ O ₅
Molecular Weight:	172.21
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	2-amino-4-methyl-1,3-thiazole-5-carbohydrazide (AMTCH) has antitumor activity and inhibits the growth of cancer cells by inducing apoptosis or programmed cell death. It also has antibacterial and fungal activity.
Targets(IC50)	Others

Solubility Information

Solubility	DMSO: 55 mg/mL (319.38 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	5.8069 mL	29.0343 mL	58.0686 mL
5 mM	1.1614 mL	5.8069 mL	11.6137 mL
10 mM	0.5807 mL	2.9034 mL	5.8069 mL
50 mM	0.1161 mL	0.5807 mL	1.1614 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

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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