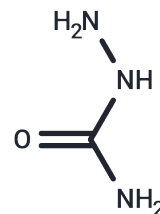


Semicarbazide hydrochloride

Chemical Properties

CAS No. :	563-41-7
Formula:	CH ₆ ClN ₃ O
Molecular Weight:	111.53
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year

HCl



Biological Description

Description	Semicarbazide hydrochloride is a urea derivative that binds to copper or iron in cells to produce antiviral, anti-infective and anti-tumor effects.
Targets(IC50)	Antibiotic

Solubility Information

Solubility	DMSO: 27.5 mg/mL (246.57 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	8.9662 mL	44.831 mL	89.662 mL
5 mM	1.7932 mL	8.9662 mL	17.9324 mL
10 mM	0.8966 mL	4.4831 mL	8.9662 mL
50 mM	0.1793 mL	0.8966 mL	1.7932 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

Takahashi M, et al. Toxicol Pathol. 2010 Jun;38(4):598-605.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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