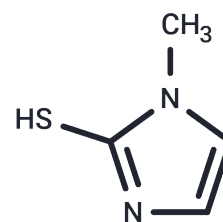


Methimazole

Chemical Properties

CAS No. :	60-56-0
Formula:	C ₄ H ₆ N ₂ S
Molecular Weight:	114.17
Appearance:	no data available
Storage:	Powder: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	Methimazole (Thiamazole) is an antithyroid compound with significant hepatotoxicity and is often used in the study of hyperthyroidism.
Targets(IC50)	Thyroid hormone receptor(THR)

Solubility Information

Solubility	Ethanol: 22 mg/mL (192.7 mM),Sonication is recommended. DMSO: 60 mg/mL (525.53 mM),Sonication is recommended. H2O: 21 mg/mL (183.94 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	8.7589 mL	43.7943 mL	87.5887 mL
5 mM	1.7518 mL	8.7589 mL	17.5177 mL
10 mM	0.8759 mL	4.3794 mL	8.7589 mL
50 mM	0.1752 mL	0.8759 mL	1.7518 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

Sugawara M, et al. Thyroid. 1999 May; 9(5):513-8.

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