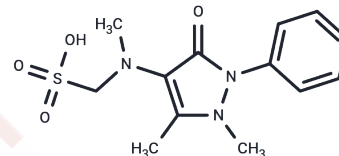


Metamizol

Chemical Properties

CAS No. :	50567-35-6
Formula:	C13H17N3O4S
Molecular Weight:	311.36
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	Metamizol (Methamisole) blocks thyroid hormone production from the thyroid gland which is an anti-thyroid agent. However, Metamizol has hepatotoxicity as adverse effect [1].
Targets(IC50)	Others,Thyroid hormone receptor(THR)
In vivo	Metamizo (Methamisole; 100 mg/kg; i.p.; once; 6-weeks-old male Swiss albino mice, 25-40 g) has been shown to induce hepatotoxicity, evidenced by elevated serum alanine aminotransferase (ALT) activity and reduced hepatic glutathione (GSH) content, with serum ALT levels peaking at 5 hours post-administration [1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.2117 mL	16.0586 mL	32.1172 mL
5 mM	0.6423 mL	3.2117 mL	6.4234 mL
10 mM	0.3212 mL	1.6059 mL	3.2117 mL
50 mM	0.0642 mL	0.3212 mL	0.6423 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

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