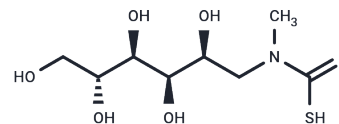


Norathiol

Chemical Properties

CAS No. : 94161-07-6
 Formula: C₈H₁₇NO₅S₂
 Molecular Weight: 271.35
 Appearance: no data available
 Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Norathiol (N-methyl-N-dithiocarboxyglucamine) is an antidote for cadmium poisoning and a metal chelator that promotes the excretion of ¹⁰⁹ Cd and can be used in the treatment of cadmium poisoning.
Targets(IC50)	Endogenous Metabolite
In vivo	In mice injected with CdCl ₂ , Norathiol (684, 1368, and 2736 mg/kg; intraperitoneal injection; administered at doses of 684, 1368, and 2736 mg/kg, three times daily) dose-dependently increased fecal cadmium excretion. At a dose of 2736 mg/kg, it caused nearly 30% of the administered cadmium to be excreted in the feces over a 3-day period[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.6853 mL	18.4264 mL	36.8528 mL
5 mM	0.7371 mL	3.6853 mL	7.3706 mL
10 mM	0.3685 mL	1.8426 mL	3.6853 mL
50 mM	0.0737 mL	0.3685 mL	0.7371 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

Gale GR, et al. Effects of sodium N-methyl-N-dithiocarboxyglucamine on cadmium distribution and excretion. Life Sci. 1984 Dec 17;35(25):2571-8.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

Tel:781-999-4286 E_mail:info@targetmol.com Address:36 Washington Street,Wellesley Hills,MA 02481