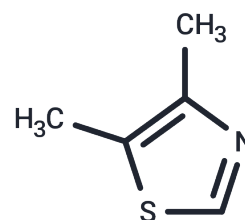


4,5-Dimethylthiazole

Chemical Properties

CAS No. :	3581-91-7
Formula:	C ₅ H ₇ NS
Molecular Weight:	113.18
Storage:	Store at 4°C <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	4,5-Dimethylthiazole exhibits inhibitory activity against mitochondrial respiration in liver cells and can be used in biochemical experiments and drug synthesis.
Targets(IC50)	Mitochondrial Metabolism

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	8.8355 mL	44.1774 mL	88.3548 mL
5 mM	1.7671 mL	8.8355 mL	17.671 mL
10 mM	0.8835 mL	4.4177 mL	8.8355 mL
50 mM	0.1767 mL	0.8835 mL	1.7671 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.

Reference

ERNE M, et al. Ueber die Kondensation von 4,5-Dimethylthiazol und 5-Methylthiazol mit Aldehyden [About the condensation of 4,5-dimethylthiazole and 5-methylthiazole with aldehydes]. *Helv Chim Acta*. 1948;31(2):652-65.
Al Hariri M, et al. Generation and Trapping of 4-Methylene-5-(bromomethylene)-4,5-dihydrothiazole with Dienophiles. *J Org Chem*. 1997 Jan 24;62(2):405-410.

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:34 Washington Street,Wellesley Hills,MA 02481