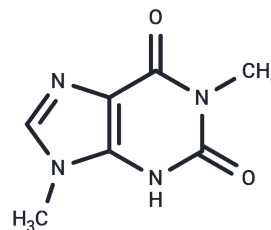


1,9-Dimethylxanthine

Chemical Properties

CAS No. :	33073-01-7
Formula:	C7H8N4O2
Molecular Weight:	180.16
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	1,9-Dimethylxanthine acts as an adenosine receptor antagonist, inhibiting the effects of adenosine on the central nervous system, thereby enhancing neural excitability. Utilized as a pharmacological tool in research, it aids in investigating physiological and pathological processes associated with adenosine.
Targets(IC50)	Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.5506 mL	27.7531 mL	55.5062 mL
5 mM	1.1101 mL	5.5506 mL	11.1012 mL
10 mM	0.5551 mL	2.7753 mL	5.5506 mL
50 mM	0.111 mL	0.5551 mL	1.1101 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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