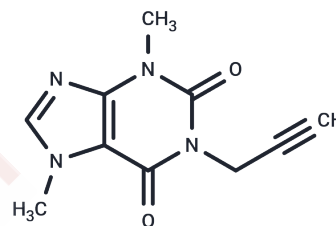


DMPX

Chemical Properties

CAS No. :	14114-46-6
Formula:	C10H10N4O2
Molecular Weight:	218.212
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	DMPX (3,7-Dimethyl-1-propargylxanthine) is a caffeine-like compound capable of crossing the blood-brain barrier. It serves as an A2-selective adenosine receptor (AR) antagonist, effectively and selectively blocking the hypothermia and behavioral inhibition induced by A2 adenosine receptor agonists, such as NECA. DMPX is utilized in research on diseases like Parkinson's disease.
Targets(IC50)	Adenosine Receptor

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.5827 mL	22.9137 mL	45.8274 mL
5 mM	0.9165 mL	4.5827 mL	9.1655 mL
10 mM	0.4583 mL	2.2914 mL	4.5827 mL
50 mM	0.0917 mL	0.4583 mL	0.9165 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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