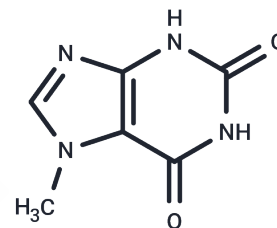


## 7-Methylxanthine

## Chemical Properties

CAS No. :	552-62-5
Formula:	C <sub>6</sub> H <sub>6</sub> N <sub>4</sub> O <sub>2</sub>
Molecular Weight:	166.14
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	7-Methylxanthine is a methyl derivative of xanthine, the purine component of human urinary calculi.7-Methylxanthine has an affinity for adenosine receptors.7-Methylxanthine is a methyl derivative of xanthine, the purine component of human urinary calculi.7-Methylxanthine has an affinity for adenosine receptors.
Targets(IC50)	Nucleoside Antimetabolite/Analog,Endogenous Metabolite,Adenosine Receptor

## Solubility Information

Solubility	H <sub>2</sub> O: < 1 mg/mL (insoluble) DMSO: 3.8 mg/mL (22.87 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.019 mL	30.0951 mL	60.1902 mL
5 mM	1.2038 mL	6.019 mL	12.038 mL
10 mM	0.6019 mL	3.0095 mL	6.019 mL
50 mM	0.1204 mL	0.6019 mL	1.2038 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

Nie HH, et al. Int J Ophthalmol. 2012; 5(2):133-7.

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