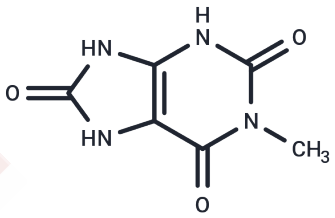
Data Sheet (Cat.No.T10020)

TargetMol

1-Methyluric acid

Chemical Properties



CAS No. : 708-79-2

Formula: C6H6N4O3

Molecular Weight: 182.14

Storage: Keep away from direct sunlight
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-Methyluric acid (1-Methylurate) acts on the bladder mucosa and increases the levels of insulin, triglycerides, cholesterol, and blood glucose.
Targets(IC50)	Endogenous Metabolite,Drug Metabolite

Solubility Information

Solubility	H2O: < 1 mg/mL (insoluble or slightly soluble) DMSO: < 1 mg/mL (insoluble or slightly soluble),Sonication and heating to 60°C are recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.4903 mL	27.4514 mL	54.9028 mL
5 mM	1.0981 mL	5.4903 mL	10.9806 mL
10 mM	0.549 mL	2.7451 mL	5.4903 mL
50 mM	0.1098 mL	0.549 mL	1.0981 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

Balasubramanian T, et al. Uric acid or 1-methyl uric acid in the urinary bladder increases serum glucose, insulin, true triglyceride, and total cholesterol levels in Wistar rats. ScientificWorldJournal. 2003 Oct 5;3:930-6.

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