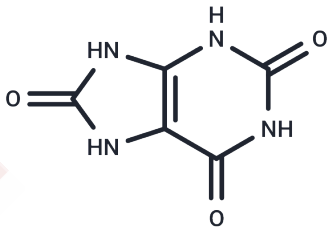
Data Sheet (Cat.No.T0626)

TargetMol

Uric Acid

Chemical Properties



CAS No. : 69-93-2

Formula: C5H4N4O3

Molecular Weight: 168.11

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	Uric acid is an important antioxidant that scavenges oxygen radicals and reactive oxygen species (such as singlet oxygen and peroxynitrite), inhibits lipid peroxidation, helps maintain stable blood pressure, and is the final product of purine metabolism. It is commonly used to induce hypertension models.
Targets(IC50)	Reactive Oxygen Species,Endogenous Metabolite,Phosphorylase

Solubility Information

Solubility	DMSO: Insoluble, H2O: Insoluble, 0.5 M NaOH: 16.67 mg/mL (99.16 mM),Sonication is recommended. 1M NaOH: 21 mg/mL (124.92 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.9485 mL	29.7424 mL	59.4849 mL
5 mM	1.1897 mL	5.9485 mL	11.897 mL
10 mM	0.5948 mL	2.9742 mL	5.9485 mL
50 mM	0.119 mL	0.5948 mL	1.1897 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

Livingston JR, et al. J Obstet Gynaecol Can. 2014 Oct;36(10):870-7.

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