

## 1,7-Dimethyluric acid

## Chemical Properties

CAS No. : 33868-03-0

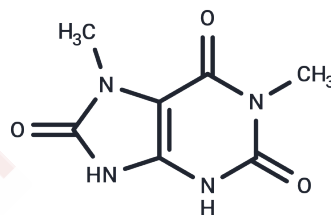
Formula: C7H8N4O3

Molecular Weight: 196.17

Storage: Store at low temperature, 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	1,7-Dimethyluric acid is a metabolite of caffeine that serves as a biomarker for caffeine intake and can be detected in urine.
Targets(IC50)	Drug Metabolite

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	5.0976 mL	25.4881 mL	50.9762 mL
5 mM	1.0195 mL	5.0976 mL	10.1952 mL
10 mM	0.5098 mL	2.5488 mL	5.0976 mL
50 mM	0.102 mL	0.5098 mL	1.0195 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

Gracia-Lor E, et al. Estimation of caffeine intake from analysis of caffeine metabolites in wastewater. Sci Total Environ. 2017;609:1582-1588.

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