

## Product Data Sheet

Product Name: 7-Methyluric Acid

Cat. No.: GC18284

### Chemical Properties

Cas. No. 612-37-3

Chemical Name 7,9-dihydro-7-methyl-1H-purine-2,6,8(3H)-trione

SMILES O=C(C(N(C)C(N1)=O)=C1N2)NC2=O

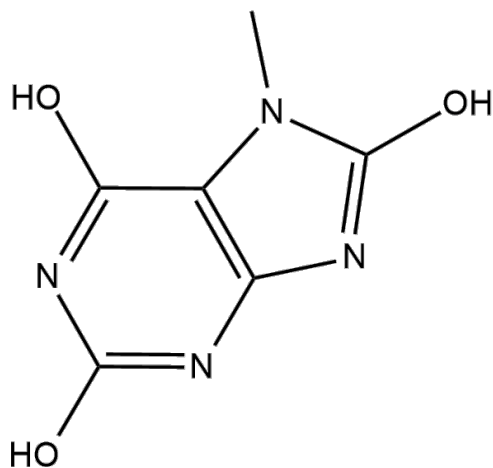
Formula  $C_6H_6N_4O_3$  M.Wt 182.1

Solubility DMF: 5 mg/ml, DMSO: 20 mg/ml, DMSO:PBS (pH 7.2) (1:1): 0.5 mg/ml  
Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution: ship with blue ice. All other available size: ship with RT, or blue ice upon request.

Structure



### Background

7-Methyluric acid is a methylated purine and uric acid derivative. It is a metabolite of caffeine that can be detected in urine. 7-Methyluric acid can also be detected in uric acid stones.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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