

Product Data Sheet

Product Name: 1,7-Dimethyluric Acid

Cat. No.: GC40328

Chemical Properties

Cas. No. 33868-03-0

SMILES O=C(C(N(C)C(N1)=O)=C1N2)N(C)C2=O

Formula C₇H₈N₄O₃

M.Wt 196.2

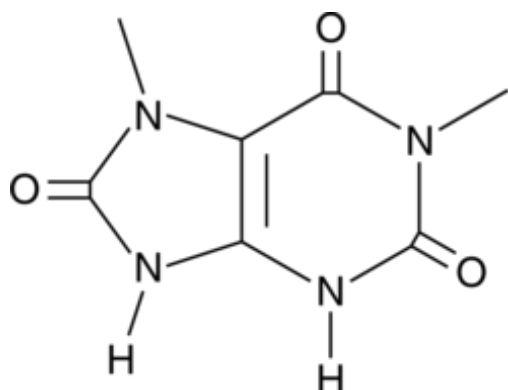
Solubility Soluble in DMSO

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 sizes: ship with RT, or blue ice upon request.

Structure



Background

1,7-Dimethyluric acid is a metabolite of caffeine produced by the action of xanthine oxidase on paraxanthine. It can be detected in urine as a biomarker of caffeine consumption.

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

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