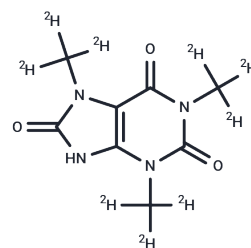


## 1,3,7-Trimethyluric Acid-D9

## Chemical Properties

CAS No. :	117490-42-3
Formula:	C <sub>8</sub> H <sub>9</sub> N <sub>4</sub> O <sub>3</sub>
Molecular Weight:	219.25
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	1,3,7-Trimethyluric Acid-D9 is intended for use as an internal standard for the quantification of 1,3,7-Trimethyluric Acid (T19792) by GC- or LC-MS. 1,3,7-Trimethyluric acid is a derivative of uric acid and a metabolite of caffeine. It is formed from caffeine by the cytochrome P450 isoform CYP3A4. 1,3,7-Trimethyluric acid scavenges hydroxyl radicals in a cell-free assay and inhibits t-butyl hydroperoxide-induced lipid peroxidation by 56.5% in isolated human erythrocyte membranes.
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.561 mL	22.805 mL	45.610 mL
5 mM	0.9122 mL	4.561 mL	9.122 mL
10 mM	0.4561 mL	2.2805 mL	4.561 mL
50 mM	0.0912 mL	0.4561 mL	0.9122 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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