

## N,N'-Dimethylarginine-D6

## Chemical Properties

CAS No. : 1331888-08-4

Formula: C<sub>8</sub>H<sub>12</sub>D<sub>6</sub>N<sub>4</sub>O<sub>2</sub>

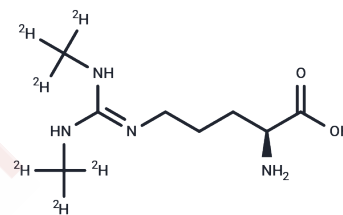
Molecular Weight: 208.29

Storage:

Keep away from moisture, 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	N,N'-Dimethylarginine-D6 is a 2H-labeled N,N'-Dimethylarginine (TSM-3660), a 202-Da methylated analog of the amino acid arginine, formed during post-translational methylation by methyltransferases.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H <sub>2</sub> O: 40 mg/mL (192.04 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	4.801 mL	24.005 mL	48.010 mL
5 mM	0.9602 mL	4.801 mL	9.602 mL
10 mM	0.4801 mL	2.4005 mL	4.801 mL
50 mM	0.096 mL	0.4801 mL	0.9602 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

Lawrence DW, et al. Phenomenology and content of the inhaled N, N-dimethyltryptamine (N, N-DMT) experience. Sci Rep. 2022 May 24;12(1):8562.

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