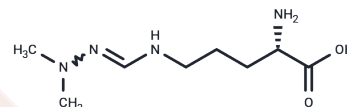


## Asymmetric dimethylarginine

## Chemical Properties

CAS No. : 30315-93-6  
 Formula: C<sub>8</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>  
 Molecular Weight: 202.25  
 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	Asymmetric dimethylarginine [an endogenous inhibitor of nitric oxide synthase (NOS)], is a compound that inhibits the enzyme responsible for producing nitric oxide.
Targets(IC50)	Endogenous Metabolite,NO Synthase,NOD

## Solubility Information

Solubility	H <sub>2</sub> O: 100 mg/mL (494.44 mM),when pH is adjusted to 2-3 with HCL. DMSO: 26.25 mg/mL (129.79 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	4.9444 mL	24.7219 mL	49.4438 mL
5 mM	0.9889 mL	4.9444 mL	9.8888 mL
10 mM	0.4944 mL	2.4722 mL	4.9444 mL
50 mM	0.0989 mL	0.4944 mL	0.9889 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

Anna M Wieczór, Radosław Wieczór, Arleta Kulwas ,et al.Asymmetric Dimethylarginine and Angiogenesis: Biological Significance[Int Angiol, 37 (6), 431-436 Dec 2018

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