

## N-Acetylornithine

## Chemical Properties

CAS No. : 6205-08-9

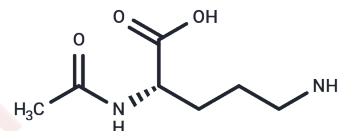
Formula: C7H14N2O3

Molecular Weight: 174.2

Store at low temperature

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	N-Acetylornithine (N-Acetyl-L-ornithine) is a minor component of deproteinized blood plasma of human blood. Human blood plasma contains a variable amount of acetylornithine, averaging 1.1 +/- 0.4 µmol/L. Urine contains a very small amount of acetylornithine, approximately 1 nmol/mg creatinine (1 µmol/day).
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	DMSO: < 1 mg/mL (insoluble or slightly soluble) H2O: 100 mg/mL (574.05 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	5.7405 mL	28.7026 mL	57.4053 mL
5 mM	1.1481 mL	5.7405 mL	11.4811 mL
10 mM	0.5741 mL	2.8703 mL	5.7405 mL
50 mM	0.1148 mL	0.5741 mL	1.1481 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

Sreekumar A, et al. Metabolomic profiles delineate potential role for sarcosine in prostate cancer progression. Nature. 2009 Feb 12;457(7231):910-4.

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