

## N(delta)-acetylornithine

## Chemical Properties

CAS No. :	2185-16-2
Formula:	C7H14N2O3
Molecular Weight:	174.2
Storage:	Keep away from moisture Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>

## Biological Description

Description	N(delta)-acetylornithine is a non-protein amino acid and a defence-related plant metabolite, primarily found in Arabidopsis. The inclusion of N(delta)-acetylornithine in feed can reduce the reproduction of Myzus persicae and exhibits certain toxic properties.
Targets(IC50)	Endogenous Metabolite

## Solubility Information

Solubility	H2O: 20 mg/mL (114.81 mM),Sonication is recommended. DMSO: <1 mg/mL (insoluble) (< 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

Armstrong MD. N-delta-acetylorntithine and S-methylcysteine in blood plasma. Biochim Biophys Acta. 1979 Nov 1; 587(4):638-42.

Yagin FH, et al. Development of an expert system for the classification of myalgic encephalomyelitis/chronic fatigue syndrome. PeerJ Comput Sci. 2024 Mar 20;10:e1857.

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