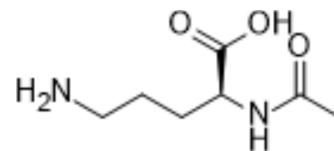


N-Acetylorithine

Cat. No.:	HY-113080
CAS No.:	6205-08-9
Molecular Formula:	C ₇ H ₁₄ N ₂ O ₃
Molecular Weight:	174.2
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	H ₂ O : 100 mg/mL (574.05 mM; Need ultrasonic)					
	DMSO : 1.96 mg/mL (11.25 mM; ultrasonic and warming and adjust pH to 5 with HCl and heat to 80°C)					
		Solvent Concentration	Mass	1 mg	5 mg	10 mg
	Preparing Stock Solutions	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	
Please refer to the solubility information to select the appropriate solvent.						
In Vivo	1. Add each solvent one by one: PBS Solubility: 100 mg/mL (574.05 mM); Clear solution; Need ultrasonic					

BIOLOGICAL ACTIVITY

Description	N-Acetylorithine is an intermediate in the enzymatic biosynthesis of the amino acid L-arginine from L-glutamate.	
IC ₅₀ & Target	Human Endogenous Metabolite	Microbial Metabolite

CUSTOMER VALIDATION

- Int J Mol Sci. 2019 Aug 8;20(16):3873.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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