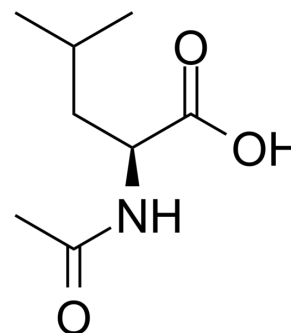


N-Acetyl-L-leucine

Cat. No.:	HY-59291		
CAS No.:	1188-21-2		
Molecular Formula:	C ₈ H ₁₅ NO ₃		
Molecular Weight:	173.21		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (577.33 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
Preparing Stock Solutions	1 mM	5.7733 mL	28.8667 mL	57.7334 mL
	5 mM	1.1547 mL	5.7733 mL	11.5467 mL
	10 mM	0.5773 mL	2.8867 mL	5.7733 mL
Please refer to the solubility information to select the appropriate solvent.				
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (14.43 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (14.43 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.43 mM); Clear solution 			

BIOLOGICAL ACTIVITY

Description	N-Acetyl-L-leucine is an endogenous metabolite.
IC₅₀ & Target	Human Endogenous Metabolite

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

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