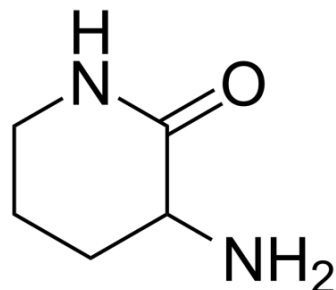


## 3-Amino-2-piperidinone

Cat. No.:	HY-21088
CAS No.:	1892-22-4
Molecular Formula:	C <sub>5</sub> H <sub>10</sub> N <sub>2</sub> O
Molecular Weight:	114.15
Target:	Endogenous Metabolite
Pathway:	Metabolic Enzyme/Protease
Storage:	-20°C, protect from light, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light, stored under nitrogen)



### SOLVENT & SOLUBILITY

In Vitro	DMSO : 50 mg/mL (438.02 mM; Need ultrasonic)				
		Solvent Concentration	Mass		
			1 mg	5 mg	
	Preparing Stock Solutions	1 mM	8.7604 mL	43.8020 mL	87.6040 mL
		5 mM	1.7521 mL	8.7604 mL	17.5208 mL
10 mM		0.8760 mL	4.3802 mL	8.7604 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (21.90 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (21.90 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	3-aminopiperidine-2-one is a metabolite from all living organisms. 3-aminopiperidine-2-one is a delta-lactam that is 2-piperidone substituted at position 3 by an amino group.
IC <sub>50</sub> & Target	Human Endogenous Metabolite

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

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