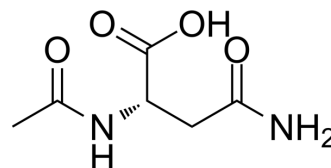


(S)-2-acetamido-4-amino-4-oxobutanoic acid

Cat. No.:	HY-W016798		
CAS No.:	4033-40-3		
Molecular Formula:	C ₆ H ₁₀ N ₂ O ₄		
Molecular Weight:	174.15		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (574.22 mM; Need ultrasonic)
 H₂O : 100 mg/mL (574.22 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.7422 mL	28.7109 mL	57.4218 mL
	5 mM	1.1484 mL	5.7422 mL	11.4844 mL
	10 mM	0.5742 mL	2.8711 mL	5.7422 mL

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- Add each solvent one by one: PBS
Solubility: 50 mg/mL (287.11 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (14.36 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(S)-2-acetamido-4-amino-4-oxobutanoic acid is an endogenous metabolite.

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

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