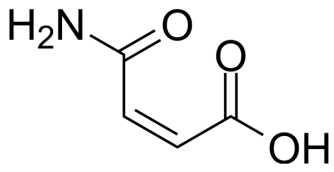
(Z)-4-Amino-4-oxobut-2-enoic acid

Cat. No.:	HY-128750
CAS No.:	557-24-4
Molecular Formula:	$C_4H_5NO_3$
Molecular Weight:	115.09
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 (868.89 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	8.6889 mL	43.4443 mL	86.8885 mL
	5 mM	1.7378 mL	8.6889 mL	17.3777 mL
	10 mM	0.8689 mL	4.3444 mL	8.6889 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: ≥ 2.08 mg/mL (18.07 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (18.07 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (18.07 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(Z)-4-Amino-4-oxobut-2-enoic acid is an endogenous metabolite.

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

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