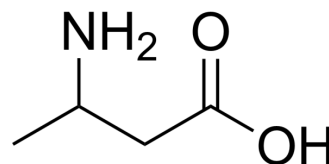


3-Aminobutanoic acid

Cat. No.:	HY-W008833		
CAS No.:	541-48-0		
Molecular Formula:	C ₄ H ₉ NO ₂		
Molecular Weight:	103.12		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 25 mg/mL (242.44 mM; ultrasonic and warming and heat to 60°C)

DMSO : 1.96 mg/mL (19.01 mM; ultrasonic and warming and adjust pH to 5 with HCl and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	9.6974 mL	48.4872 mL	96.9744 mL
	5 mM	1.9395 mL	9.6974 mL	19.3949 mL
	10 mM	0.9697 mL	4.8487 mL	9.6974 mL

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

BIOLOGICAL ACTIVITY

Description

3-Aminobutanoic acid is a β-amino acid. 3-Aminobutanoic acid can protect plant against a challenge infection with *P. infestans*. 3-Aminobutanoic acid has various levels of susceptibility for the pathogen^[1].

REFERENCES

[1]. Cohen, et al. Local and systemic control of *Phytophthora infestans* in tomato with DL-3-aminobutanoic acid. *Phytopathology*. Volume: 84. Issue: 1. Pages: 55-9. Journal

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

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