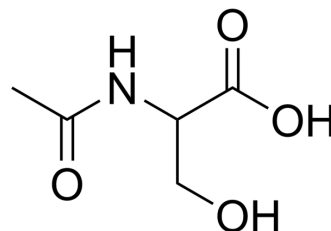


N-Acetyl-DL-serine

Cat. No.:	HY-W142092		
CAS No.:	97-14-3		
Molecular Formula:	C ₅ H ₉ NO ₄		
Molecular Weight:	147.13		
Target:	Bacterial		
Pathway:	Anti-infection		
Storage:	Powder	-20°C	3 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

H₂O : 125 mg/mL (849.59 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	6.7967 mL	33.9836 mL	67.9671 mL
5 mM	1.3593 mL	6.7967 mL	13.5934 mL
10 mM	0.6797 mL	3.3984 mL	6.7967 mL

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

BIOLOGICAL ACTIVITY

Description

N-Acetyl-DL-serine is a hydrophobic amino acid that is synthesized in the body and can be found as a free form or as a salt with malonate, phosphate, or acetate. N-Acetyl-DL-serine has antimicrobial activity against *Bacillus cereus* and *Staphylococcus aureus*. N-Acetyl-DL-serine has also been used for the immobilization of DNA fragments on solid surfaces and can be used for protein synthesis and optical detection of DNA strands^[1].

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

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