Nepsilon-Acetyl-L-lysine

Cat. No.: HY-113426

CAS No.: 692-04-6

Molecular Formula: $C_8H_{16}N_2O_3$

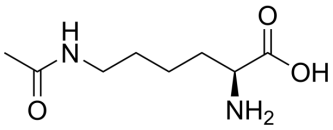
Molecular Weight: 188.22

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

H_2O : 50 mg/mL (265.65 mM; Need ultrasonic)

DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	5.3129 mL	26.5647 mL	53.1293 mL
5 mM	1.0626 mL	5.3129 mL	10.6259 mL
10 mM	0.5313 mL	2.6565 mL	5.3129 mL

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

In Vivo

1. Add each solvent one by one: PBS
   Solubility: 100 mg/mL (531.29 mM); Clear solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description Nepsilon-Acetyl-L-lysine is a derivative of the amino acid lysine.

IC_{50} & Target Human Endogenous Metabolite

REFERENCES

[1]. Schmidt H, et al. Characterization of a novel enzyme, N6-acetyl-L-lysine: 2-oxoglutarate aminotransferase, which catalyses the second step of lysine catabolism in Candida maltosa. Antonie Van Leeuwenhoek. 1992 Nov;62(4):285-90.

[2]. H Schmidt, et al. Characterization of a novel enzyme, N6-acetyl-L-lysine: 2-oxoglutarate aminotransferase, which catalyses the second step of lysine catabolism in

Candida maltosa. Antonie Van Leeuwenhoek. 1992 Nov;62(4):285-90.

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