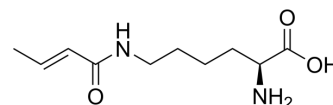


## N6-(But-2-enoyl)-L-lysine

Cat. No.:	HY-W048203
CAS No.:	1338823-35-0
Molecular Formula:	C <sub>10</sub> H <sub>18</sub> N <sub>2</sub> O <sub>3</sub>
Molecular Weight:	214.26
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	<div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 6 months </div> <div> -20°C 1 month </div>



### SOLVENT & SOLUBILITY

#### In Vitro

H<sub>2</sub>O : 20 mg/mL (93.34 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.6672 mL	23.3361 mL	46.6723 mL
	5 mM		0.9334 mL	4.6672 mL	9.3345 mL
	10 mM		0.4667 mL	2.3336 mL	4.6672 mL

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

### BIOLOGICAL ACTIVITY

#### Description

N6-(But-2-enoyl)-L-lysine is a lysine derivative<sup>[1]</sup>.

#### In Vitro

Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances<sup>[1]</sup>.  
MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-1144.

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

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