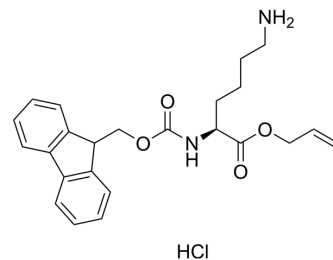


## Fmoc-Lys-OAll.HCl

Cat. No.:	HY-W007020
CAS No.:	815619-80-8
Molecular Formula:	C <sub>24</sub> H <sub>29</sub> ClN <sub>2</sub> O <sub>4</sub>
Molecular Weight:	444.95
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, stored under nitrogen * In solvent : -80°C, 6 months; -20°C, 1 month (stored under nitrogen)



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : ≥ 100 mg/mL (224.74 mM)  
\* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.2474 mL	11.2372 mL	22.4744 mL
	5 mM	0.4495 mL	2.2474 mL	4.4949 mL
	10 mM	0.2247 mL	1.1237 mL	2.2474 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Fmoc-Lys-OAll.HCl 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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