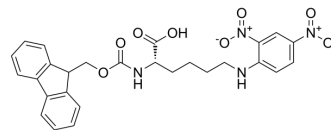


Fmoc-Lys(Dnp)-OH

Cat. No.:	HY-W040024
CAS No.:	148083-64-1
Molecular Formula:	C ₂₇ H ₂₆ N ₄ O ₈
Molecular Weight:	534.52
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 : 66.67 mg/mL (124.73 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	1.8708 mL	9.3542 mL	18.7084 mL
	5 mM	0.3742 mL	1.8708 mL	3.7417 mL
	10 mM	0.1871 mL	0.9354 mL	1.8708 mL

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

BIOLOGICAL ACTIVITY

Description

Fmoc-Lys(Dnp)-OH is a lysine derivative^[1].

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^[1].

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.

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

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