N-Fmoc-L-valine N-succinimidyl ester

Cat. No.: HY-78733

CAS No.: 130878-68-1

Molecular Formula: $C_{24}H_{24}N_2O_6$

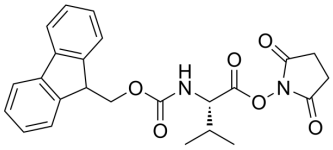
Molecular Weight: 436.46

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 : 250 mg/mL (572.79 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.2912 mL	11.4558 mL	22.9116 mL
	5 mM	0.4582 mL	2.2912 mL	4.5823 mL
	10 mM	0.2291 mL	1.1456 mL	2.2912 mL

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

BIOLOGICAL ACTIVITY

Description

N-Fmoc-L-valine N-succinimidyl ester is a valine 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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