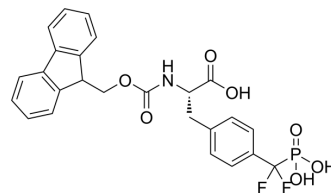


Fmoc-Phe(CF₂PO₃)-OH

Cat. No.:	HY-W141821		
CAS No.:	160751-44-0		
Molecular Formula:	C ₂₅ H ₂₂ F ₂ NO ₇ P		
Molecular Weight:	517.42		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (193.27 mM; Need ultrasonic)

Concentration	Mass			
	1 mg	5 mg	10 mg	
1 mM	1.9327 mL	9.6633 mL	19.3267 mL	
5 mM	0.3865 mL	1.9327 mL	3.8653 mL	
10 mM	0.1933 mL	0.9663 mL	1.9327 mL	

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

BIOLOGICAL ACTIVITY

Description

Fmoc-Phe(CF₂PO₃)-OH is a phenylalanine 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):1793-985.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA