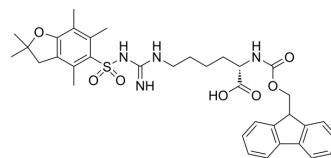


## Fmoc-HoArg(Pbf)-OH

Cat. No.:	HY-W005815		
CAS No.:	1159680-21-3		
Molecular Formula:	C <sub>35</sub> H <sub>42</sub> N <sub>4</sub> O <sub>7</sub> S		
Molecular Weight:	662.8		
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 : 125 mg/mL (188.59 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.5088 mL	7.5438 mL	15.0875 mL
		5 mM	0.3018 mL	1.5088 mL	3.0175 mL
10 mM		0.1509 mL	0.7544 mL	1.5088 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (3.14 mM); Clear solution				
	2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (3.14 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	Fmoc-HoArg(Pbf)-OH is an arginine 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

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

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