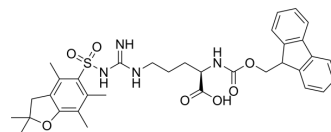


## Fmoc-D-Arg(Pbf)-OH

<b>Cat. No.:</b>	HY-W010698		
<b>CAS No.:</b>	187618-60-6		
<b>Molecular Formula:</b>	C <sub>34</sub> H <sub>40</sub> N <sub>4</sub> O <sub>7</sub> S		
<b>Molecular Weight:</b>	648.77		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

<b>In Vitro</b>	DMSO : 100 mg/mL (154.14 mM; Need ultrasonic)			
		Solvent Concentration	Mass	
			1 mg	5 mg
			10 mg	
<b>Preparing Stock Solutions</b>	<b>1 mM</b>	1.5414 mL	7.7069 mL	15.4138 mL
	<b>5 mM</b>	0.3083 mL	1.5414 mL	3.0828 mL
	<b>10 mM</b>	0.1541 mL	0.7707 mL	1.5414 mL
Please refer to the solubility information to select the appropriate solvent.				
<b>In Vivo</b>	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (3.85 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (3.85 mM); Clear solution			

### BIOLOGICAL ACTIVITY

<b>Description</b>	Fmoc-D-Arg(Pbf)-OH is an arginine derivative <sup>[1]</sup> .
<b>In Vitro</b>	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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