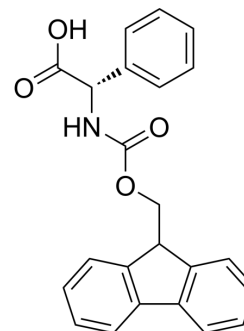


## Fmoc-(S)-phenylglycine

<b>Cat. No.:</b>	HY-79130		
<b>CAS No.:</b>	102410-65-1		
<b>Molecular Formula:</b>	C <sub>23</sub> H <sub>19</sub> NO <sub>4</sub>		
<b>Molecular Weight:</b>	373.4		
<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 (267.81 mM; Need ultrasonic)				
		<b>Solvent</b>	<b>Mass</b>		
		<b>Concentration</b>	<b>1 mg</b>	<b>5 mg</b>	
	<b>Preparing Stock Solutions</b>		<b>10 mg</b>		
		<b>1 mM</b>	2.6781 mL	13.3905 mL	26.7809 mL
		<b>5 mM</b>	0.5356 mL	2.6781 mL	5.3562 mL
		<b>10 mM</b>	0.2678 mL	1.3390 mL	2.6781 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 (6.70 mM); Clear solution				

### BIOLOGICAL ACTIVITY

<b>Description</b>	Fmoc-(S)-phenylglycine is a <a href="#">Glycine</a> (HY-Y0966) 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

[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.

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

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