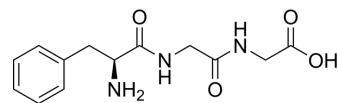


## L-Phenylalanylglycylglycine

Cat. No.:	HY-W009345		
CAS No.:	23576-42-3		
Molecular Formula:	C <sub>13</sub> H <sub>17</sub> N <sub>3</sub> O <sub>4</sub>		
Molecular Weight:	279.29		
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

H<sub>2</sub>O : 25 mg/mL (89.51 mM; Need ultrasonic)  
 DMSO : 2 mg/mL (7.16 mM; ultrasonic and warming and heat to 60°C)

	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.5805 mL	17.9025 mL	35.8051 mL
	5 mM	0.7161 mL	3.5805 mL	7.1610 mL
	10 mM	0.3581 mL	1.7903 mL	3.5805 mL

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

### BIOLOGICAL ACTIVITY

#### Description

L-Phenylalanylglycylglycine is a [Glycine](#) (HY-Y0966) 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

[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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