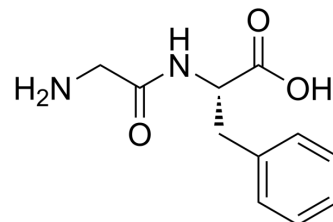


Glycyl-L-phenylalanine

Cat. No.:	HY-W013998
CAS No.:	3321-03-7
Molecular Formula:	C ₁₁ H ₁₄ N ₂ O ₃
Molecular Weight:	222.24
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	<div>Powder -20°C 3 years</div> <div>In solvent -80°C 6 months</div> <div>-20°C 1 month</div>



SOLVENT & SOLUBILITY

In Vitro

H₂O : 33.33 mg/mL (149.97 mM; ultrasonic and adjust pH to 2 with HCl)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		4.4996 mL	22.4982 mL	44.9964 mL
	5 mM		0.8999 mL	4.4996 mL	8.9993 mL
	10 mM		0.4500 mL	2.2498 mL	4.4996 mL

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

BIOLOGICAL ACTIVITY

Description

Glycyl-L-phenylalanine 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):1793-812.

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

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