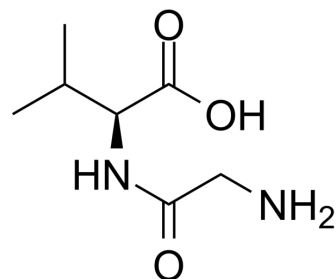


## Glycyl-L-valine

Cat. No.:	HY-W016785		
CAS No.:	1963-21-9		
Molecular Formula:	C <sub>7</sub> H <sub>14</sub> N <sub>2</sub> O <sub>3</sub>		
Molecular Weight:	174.2		
Target:	Endogenous Metabolite		
Pathway:	Metabolic Enzyme/Protease		
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 : 100 mg/mL (574.05 mM; Need ultrasonic)  
 DMSO : < 1 mg/mL (ultrasonic;warming;heat to 60°C) (insoluble or slightly soluble)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	5.7405 mL	28.7026 mL	57.4053 mL
	5 mM	1.1481 mL	5.7405 mL	11.4811 mL
	10 mM	0.5741 mL	2.8703 mL	5.7405 mL

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

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 100 mg/mL (574.05 mM); Clear solution; Need ultrasonic

### BIOLOGICAL ACTIVITY

#### Description

Glycyl-L-valine is a dipeptide that contains glycine and valine.

#### IC<sub>50</sub> & Target

Human Endogenous Metabolite

### REFERENCES

[1]. Usha C, et al. Growth and combined experimental and quantum chemical study of glycyl-L-Valine crystal. Heliyon. 2019 May 4;5(5):e01574.

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

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