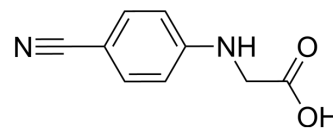


## N-(4-Cyanophenyl)glycine

Cat. No.:	HY-77519		
CAS No.:	42288-26-6		
Molecular Formula:	C <sub>9</sub> H <sub>8</sub> N <sub>2</sub> O <sub>2</sub>		
Molecular Weight:	176.17		
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	DMSO : 100 mg/mL (567.63 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	5.6763 mL	28.3817 mL	56.7634 mL
		5 mM	1.1353 mL	5.6763 mL	11.3527 mL
10 mM		0.5676 mL	2.8382 mL	5.6763 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (14.19 mM); Clear solution  2. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (14.19 mM); Clear solution				

### BIOLOGICAL ACTIVITY

Description	N-(4-Cyanophenyl)glycine is a <a href="#">Glycine</a> (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

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

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