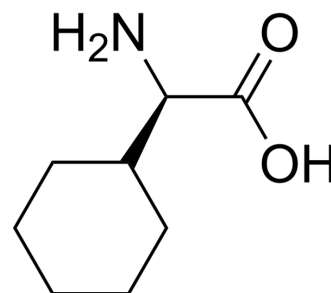


## D- $\alpha$ -Aminocyclohexylacetic acid

<b>Cat. No.:</b>	HY-42354		
<b>CAS No.:</b>	14328-52-0		
<b>Molecular Formula:</b>	C <sub>8</sub> H <sub>15</sub> NO <sub>2</sub>		
<b>Molecular Weight:</b>	157.21		
<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

#### In Vitro

H<sub>2</sub>O : 8.33 mg/mL (52.99 mM; ultrasonic and adjust pH to 3 with HCl)  
 H<sub>2</sub>O : 3.33 mg/mL (21.18 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent		Mass		
	Concentration		1 mg	5 mg	10 mg
	1 mM		6.3609 mL	31.8046 mL	63.6092 mL
	5 mM		1.2722 mL	6.3609 mL	12.7218 mL
	10 mM		0.6361 mL	3.1805 mL	6.3609 mL

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

#### In Vivo

1. Add each solvent one by one: PBS  
 Solubility: 1 mg/mL (6.36 mM); Clear solution; Need ultrasonic and warming and heat to 60°C

### BIOLOGICAL ACTIVITY

#### Description

D- $\alpha$ -Aminocyclohexylacetic acid 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

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA