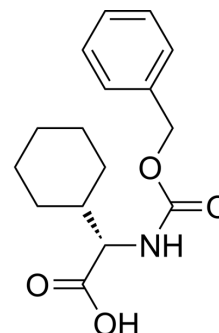


## (S)-2-(((benzyloxy)carbonyl)amino)-2-cyclohexylacetic acid

Cat. No.:	HY-I0109		
CAS No.:	69901-75-3		
Molecular Formula:	C <sub>16</sub> H <sub>21</sub> NO <sub>4</sub>		
Molecular Weight:	291.34		
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

Ethanol : 100 mg/mL (343.24 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		3.4324 mL	17.1621 mL	34.3242 mL
	5 mM		0.6865 mL	3.4324 mL	6.8648 mL
	10 mM		0.3432 mL	1.7162 mL	3.4324 mL

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

### BIOLOGICAL ACTIVITY

#### Description

(S)-2-(((benzyloxy)carbonyl)amino)-2-cyclohexylacetic 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

[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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