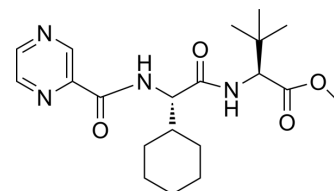


## (2S)-Methyl 2-(2-cyclohexyl-2-(pyrazine-2-carboxamido)acetamido)-3,3-dimethylbutanoate

Cat. No.:	HY-I0102		
CAS No.:	402958-95-6		
Molecular Formula:	C <sub>20</sub> H <sub>30</sub> N <sub>4</sub> O <sub>4</sub>		
Molecular Weight:	390.48		
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 : 33.33 mg/mL (85.36 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	2.5610 mL	12.8048 mL	25.6095 mL
				5 mM	0.5122 mL	2.5610 mL	5.1219 mL
				10 mM	0.2561 mL	1.2805 mL	2.5610 mL
Please refer to the solubility information to select the appropriate solvent.							
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (6.40 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	(2S)-Methyl 2-(2-cyclohexyl-2-(pyrazine-2-carboxamido)acetamido)-3,3-dimethylbutanoate is a valine 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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