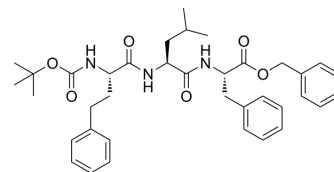


## (6S,9S,12S)-Benzyl 12-benzyl-9-isobutyl-2,2-dimethyl-4,7,10-trioxo-6-phenethyl-3-oxa-5,8,11-triazatridecan-13-oate

Cat. No.:	HY-79863		
CAS No.:	868540-15-2		
Molecular Formula:	C <sub>37</sub> H <sub>47</sub> N <sub>3</sub> O <sub>6</sub>		
Molecular Weight:	629.79		
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 : 50 mg/mL (79.39 mM; Need ultrasonic)						
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg	
				1 mM	1.5878 mL	7.9392 mL	15.8783 mL
				5 mM	0.3176 mL	1.5878 mL	3.1757 mL
				10 mM	0.1588 mL	0.7939 mL	1.5878 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 (3.97 mM); Clear solution						

### BIOLOGICAL ACTIVITY

Description	(6S,9S,12S)-Benzyl 12-benzyl-9-isobutyl-2,2-dimethyl-4,7,10-trioxo-6-phenethyl-3-oxa-5,8,11-triazatridecan-13-oate is a phenylalanine 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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