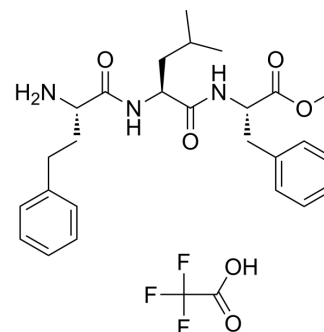


(S)-Methyl 2-((S)-2-((S)-2-amino-4-phenylbutanamido)-4-methylpentanamido)-3-phenylpropanoate 2,2,2-trifluoroacetate

Cat. No.:	HY-I0749A		
CAS No.:	868539-99-5		
Molecular Formula:	C ₂₈ H ₃₆ F ₃ N ₃ O ₆		
Molecular Weight:	567.6		
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 (176.18 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent	Mass	1 mg	5 mg	10 mg
	Concentration				
	1 mM		1.7618 mL	8.8090 mL	17.6180 mL
	5 mM		0.3524 mL	1.7618 mL	3.5236 mL
	10 mM		0.1762 mL	0.8809 mL	1.7618 mL

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

BIOLOGICAL ACTIVITY

Description

(S)-Methyl 2-((S)-2-((S)-2-amino-4-phenylbutanamido)-4-methylpentanamido)-3-phenylpropanoate 2,2,2-trifluoroacetate is a phenylalanine derivative^[1].

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^[1].
 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):1793-813.

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

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