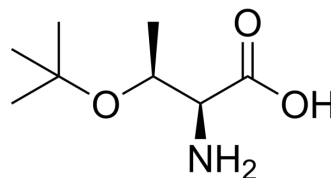


H-allo-Thr(tBu)-OH

Cat. No.:	HY-W051351		
CAS No.:	201353-89-1		
Molecular Formula:	C ₈ H ₁₇ NO ₃		
Molecular Weight:	175.23		
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

H₂O : 100 mg/mL (570.68 mM; Need ultrasonic)
 DMSO : 4.55 mg/mL (25.97 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	5.7068 mL	28.5339 mL	57.0679 mL
	5 mM	1.1414 mL	5.7068 mL	11.4136 mL
	10 mM	0.5707 mL	2.8534 mL	5.7068 mL

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

BIOLOGICAL ACTIVITY

Description

H-allo-Thr(tBu)-OH is a threonine 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):1793-1144.

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

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