N-(((9H-Fluoren-9-yl)methoxy)carbonyl)-N-methyl-L-threonine

Cat. No.: HY-W036329

CAS No.: 252049-06-2

Molecular Formula: $C_{20}H_{21}NO_5$

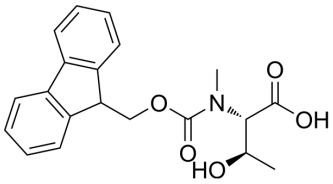
Molecular Weight: 355.38

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 (281.39 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8139 mL	14.0694 mL	28.1389 mL
	5 mM	0.5628 mL	2.8139 mL	5.6278 mL
	10 mM	0.2814 mL	1.4069 mL	2.8139 mL

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

BIOLOGICAL ACTIVITY

Description

N-(((9H-Fluoren-9-yl)methoxy)carbonyl)-N-methyl-L-threonine 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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