D-Phenylalanine, N-[N-[(1,1-dimethylethoxy)carbonyl]-L-leucyl]-, phenylmethyl ester

Cat. No.: HY-79930

CAS No.: 159549-96-9

Molecular Formula: $C_{27}H_{36}N_2O_5$

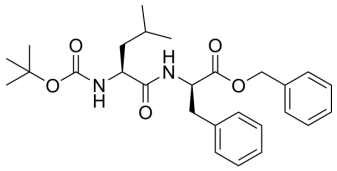
Molecular Weight: 468.59

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 (213.41 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	2.1341 mL	10.6703 mL	21.3406 mL
	5 mM	0.4268 mL	2.1341 mL	4.2681 mL
	10 mM	0.2134 mL	1.0670 mL	2.1341 mL

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

BIOLOGICAL ACTIVITY

Description

D-Phenylalanine, N-[N-[(1,1-dimethylethoxy)carbonyl]-L-leucyl]-, phenylmethyl ester 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):1793-1017.

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

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA