Product Data Sheet

Product Name:	L-Phenylalanine, N-[N-[(1,1-dimethylethoxy)carbonyl]-D-leucyl]-, phenylmethyl ester
Cat. No.:	GC68209

Chemical Properties

Cas. No.	140834-91-9		
Formula	$C_{27}H_{36}N_2O_5$	M.Wt	468.59
Solubility	DMSO : 100 mg/mL (213.41 mM; Need ultrasonic)	Storage	Store at -20°C
General tips	For obtaining a higher solubility , please warm the tube at 37 ℃ and shake it in the ultrasonic bath for a while.Stock solution can be stored below -20℃ for several months.		
Shipping Condition	Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.		
Structure			

Background

L-Phenylalanine, N-[N-[(1,1-dimethylethoxy)carbonyl]-D-leucyl]-, phenylmethyl ester is a phenylalanine derivative[1].

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].

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-878.

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