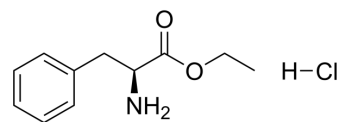


Ethyl L-phenylalaninate hydrochloride

Cat. No.:	HY-W012255
CAS No.:	3182-93-2
Molecular Formula:	C ₁₁ H ₁₆ ClNO ₂
Molecular Weight:	229.7
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (435.35 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	4.3535 mL	21.7675 mL	43.5350 mL
	5 mM	0.8707 mL	4.3535 mL	8.7070 mL
	10 mM	0.4354 mL	2.1768 mL	4.3535 mL

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

BIOLOGICAL ACTIVITY

Description

Ethyl L-phenylalaninate hydrochloride 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):1793-942.

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

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