N-Benzoyl-L-arginine ethyl ester hydrochloride

Cat. No.: HY-W008694

CAS No.: 2645-08-1

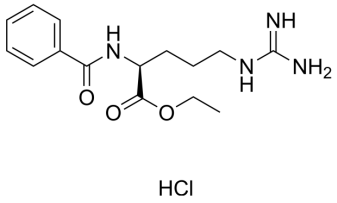
Molecular Formula: $C_{15}H_{23}ClN_4O_3$

Molecular Weight: 342.82

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)



HCl

SOLVENT & SOLUBILITY

In Vitro

H_2O : 250 mg/mL (729.25 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.9170 mL	14.5849 mL	29.1698 mL
	5 mM	0.5834 mL	2.9170 mL	5.8340 mL
	10 mM	0.2917 mL	1.4585 mL	2.9170 mL

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

BIOLOGICAL ACTIVITY

Description

N-Benzoyl-L-arginine ethyl ester hydrochloride is an arginine 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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