H-Glu(OtBu)-OMe.HCl

Cat. No.: HY-W008383

CAS No.: 6234-01-1

Molecular Formula: $C_{10}H_{20}ClNO_4$

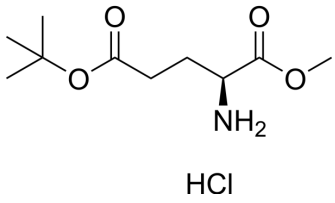
Molecular Weight: 253.72

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 : 125 mg/mL (492.67 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	3.9414 mL	19.7068 mL	39.4135 mL
	5 mM	0.7883 mL	3.9414 mL	7.8827 mL
	10 mM	0.3941 mL	1.9707 mL	3.9414 mL

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

BIOLOGICAL ACTIVITY

Description

H-Glu(OtBu)-OMe.HCl is a glutamic acid 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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