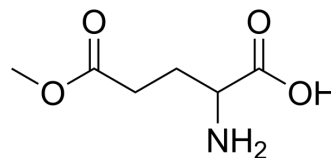


H-DL-Glu(Ome)-OH

Cat. No.:	HY-W098060
CAS No.:	14487-45-7
Molecular Formula:	C ₆ H ₁₁ NO ₄
Molecular Weight:	161.16
Target:	Amino Acid Derivatives
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (310.25 mM)
 DMSO : < 1 mg/mL (ultrasonic) (insoluble or slightly soluble)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		6.2050 mL	31.0251 mL	62.0501 mL
	5 mM		1.2410 mL	6.2050 mL	12.4100 mL
	10 mM		0.6205 mL	3.1025 mL	6.2050 mL

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

BIOLOGICAL ACTIVITY

Description

H-DL-Glu(Ome)-OH 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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