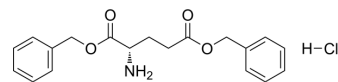


## H-Glu(OBzl)-OBzl.HCl

<b>Cat. No.:</b>	HY-W018077
<b>CAS No.:</b>	4561-10-8
<b>Molecular Formula:</b>	C <sub>19</sub> H <sub>22</sub> ClNO <sub>4</sub>
<b>Molecular Weight:</b>	363.84
<b>Target:</b>	Amino Acid Derivatives
<b>Pathway:</b>	Others
<b>Storage:</b>	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 (274.85 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.7485 mL	13.7423 mL	27.4846 mL
	5 mM	0.5497 mL	2.7485 mL	5.4969 mL
	10 mM	0.2748 mL	1.3742 mL	2.7485 mL

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

### BIOLOGICAL ACTIVITY

#### Description

H-Glu(OBzl)-OBzl.HCl is a glutamic acid derivative<sup>[1]</sup>.

#### 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<sup>[1]</sup>.

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.

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

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