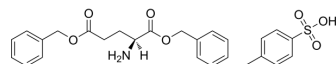


## Dibenzyl L-glutamate tosylate

<b>Cat. No.:</b>	HY-W010785		
<b>CAS No.:</b>	2791-84-6		
<b>Molecular Formula:</b>	C <sub>26</sub> H <sub>29</sub> NO <sub>7</sub> S		
<b>Molecular Weight:</b>	499.58		
<b>Target:</b>	Amino Acid Derivatives		
<b>Pathway:</b>	Others		
<b>Storage:</b>	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### SOLVENT & SOLUBILITY

#### In Vitro

DMSO : 100 mg/mL (200.17 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.0017 mL	10.0084 mL	20.0168 mL
	5 mM	0.4003 mL	2.0017 mL	4.0034 mL
	10 mM	0.2002 mL	1.0008 mL	2.0017 mL

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

### BIOLOGICAL ACTIVITY

#### Description

Dibenzyl L-glutamate tosylate 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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