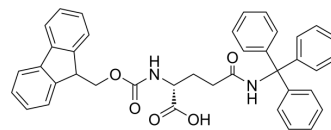


Fmoc-D-Gln(Trt)-OH

Cat. No.:	HY-W010714		
CAS No.:	200623-62-7		
Molecular Formula:	C ₃₉ H ₃₄ N ₂ O ₅		
Molecular Weight:	610.7		
Target:	Amino Acid Derivatives		
Pathway:	Others		
Storage:	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 (163.75 mM; Need ultrasonic)				
		Solvent Concentration	Mass 1 mg	5 mg	10 mg
	Preparing Stock Solutions	1 mM	1.6375 mL	8.1873 mL	16.3747 mL
		5 mM	0.3275 mL	1.6375 mL	3.2749 mL
10 mM		0.1637 mL	0.8187 mL	1.6375 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	1. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (4.09 mM); Clear solution				

BIOLOGICAL ACTIVITY

Description	Fmoc-D-Gln(Trt)-OH is a glutamine 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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