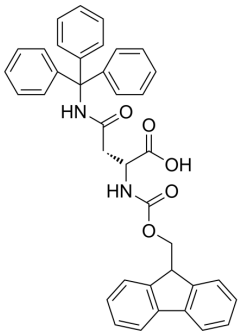
N2-[(9H-Fluoren-9-ylmethoxy)carbonyl]-N-(triphenylmethyl)-D-asparagine



Cat. No.:	HY-W010719		
CAS No.:	180570-71-2		
Molecular Formula:	$C_{38}H_{32}N_2O_5$		
Molecular Weight:	596.67		
Target:	Others		
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 (167.60 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	1.6760 mL	8.3798 mL	16.7597 mL
	5 mM	0.3352 mL	1.6760 mL	3.3519 mL
	10 mM	0.1676 mL	0.8380 mL	1.6760 mL

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

BIOLOGICAL ACTIVITY

Description

N2-[(9H-Fluoren-9-ylmethoxy)carbonyl]-N-(triphenylmethyl)-D-asparagine is an asparagine 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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