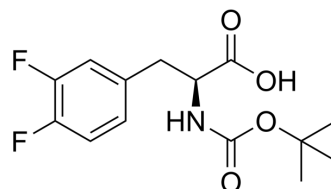


(2S)-2-[(tert-Butoxycarbonyl)amino]-3-(3,4-difluorophenyl)propionic acid

Cat. No.:	HY-79165		
CAS No.:	198474-90-7		
Molecular Formula:	C ₁₄ H ₁₇ F ₂ NO ₄		
Molecular Weight:	301.29		
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 (331.91 mM)
 * "≥" means soluble, but saturation unknown.

Concentration	Solvent	1 mg	5 mg	10 mg
	Mass			
Preparing Stock Solutions	1 mM	3.3191 mL	16.5953 mL	33.1906 mL
	5 mM	0.6638 mL	3.3191 mL	6.6381 mL
	10 mM	0.3319 mL	1.6595 mL	3.3191 mL

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

BIOLOGICAL ACTIVITY

Description

(2S)-2-[(tert-Butoxycarbonyl)amino]-3-(3,4-difluorophenyl)propionic acid is a phenylalanine 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):1793-846.

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

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