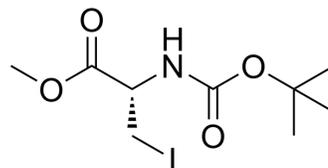


(S)-2-[(tert-Butoxycarbonyl)amino]-3-iodopropionic acid methyl ester

Cat. No.:	HY-Z0424
CAS No.:	170848-34-7
Molecular Formula:	C ₉ H ₁₆ INO ₄
Molecular Weight:	329.13
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 100 mg/mL (303.83 mM; ultrasonic and warming and heat to 60°C)				
		Solvent Concentration	Mass		
	Preparing Stock Solutions		1 mg	5 mg	10 mg
		1 mM	3.0383 mL	15.1916 mL	30.3831 mL
		5 mM	0.6077 mL	3.0383 mL	6.0766 mL
	10 mM	0.3038 mL	1.5192 mL	3.0383 mL	
Please refer to the solubility information to select the appropriate solvent.					
In Vivo	<ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.60 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.60 mM); Clear solution 				

BIOLOGICAL ACTIVITY

Description	(S)-2-[(tert-Butoxycarbonyl)amino]-3-iodopropionic acid methyl ester is an alanine derivative ^[1] .
In Vitro	<p>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].</p> <p>MCE has not independently confirmed the accuracy of these methods. They are for reference only.</p>

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

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