# Product Data Sheet

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## (S)-3-(4-Bromophenyl)-3-((tert-butoxycarbonyl)amino)propanoic acid

HY-W00911	0	
261165-06-4	4	
C <sub>14</sub> H <sub>18</sub> BrNO	4	
344.2		
Amino Acid	Derivativ	es
Others		
Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	6 months
	-20°C	1 month
	261165-06-4 C <sub>14</sub> H <sub>18</sub> BrNO 344.2 Amino Acid Others Powder	Amino Acid Derivativ Others Powder -20°C 4°C In solvent -80°C

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### SOLVENT & SOLUBILITY

	Preparing Stock Solutions	Mass Solvent Concentration	1 mg	5 mg	10 mg	
		1 mM	2.9053 mL	14.5264 mL	29.0529 mL	
		5 mM	0.5811 mL	2.9053 mL	5.8106 mL	
		10 mM	0.2905 mL	1.4526 mL	2.9053 mL	
	Please refer to the so	lubility information to select the ap	propriate solvent.			
Vivo	1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.26 mM); Clear solution					
	2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.26 mM); Clear solution					
	3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.26 mM); Clear solution					

BIOLOGICAL ACTIVITY					
Description	(S)-3-(4-Bromophenyl)-3-((tert-butoxycarbonyl)amino)propanoic acid is a phenylalanine 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.				

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#### 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):1793-808.

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

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