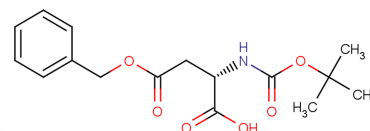


Boc-L-aspartic acid 4-benzyl ester

Chemical Properties

CAS No. : 7536-58-5
Formula: C₁₆H₂₁NO₆
Molecular Weight: 323.34
Appearance: no data available
Storage: keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year



Biological Description

Description	Boc-L-aspartic acid 4-benzyl ester (Boc-Asp(OBzl)-OH) is an aspartic acid derivative.
Targets(IC50)	Amino Acids and Derivatives
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].

Solubility Information

Solubility	DMSO: 50 mg/mL (154.64 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.0927 mL	15.4636 mL	30.9272 mL
5 mM	0.6185 mL	3.0927 mL	6.1854 mL
10 mM	0.3093 mL	1.5464 mL	3.0927 mL
50 mM	0.0619 mL	0.3093 mL	0.6185 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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