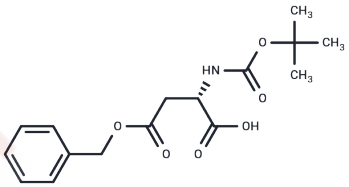
Data Sheet (Cat.No.T64335)

TargetMol

Boc-L-aspartic acid 4-benzyl ester

Chemical Properties



CAS No. : 7536-58-5

Formula: C16H21NO6

Molecular Weight: 323.34

Storage: Keep away from moisture
Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

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 their derivatives are commercially used as ergogenic supplements due to their ability to influence anabolic hormone secretion, fuel supply during exercise, mental performance under stress, and prevention of exercise-induced muscle damage. They are recognized as beneficial ergogenic dietary substances [1].

Solubility Information

Solubility	DMSO: 50 mg/mL (154.64 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

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.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

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.

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