Data Sheet (Cat.No.T64328)

TargetMol
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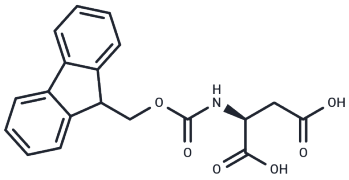
Fmoc-L-aspartic acid

Chemical Properties



CAS No. : 119062-05-4

Formula: C19H17NO6

Molecular Weight: 355.34

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	Fmoc-L-aspartic acid (Fmoc-Asp-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: 60 mg/mL (168.85 mM) (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8142 mL	14.071 mL	28.1421 mL
5 mM	0.5628 mL	2.8142 mL	5.6284 mL
10 mM	0.2814 mL	1.4071 mL	2.8142 mL
50 mM	0.0563 mL	0.2814 mL	0.5628 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.

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