

(((9H-Fluoren-9-yl)methoxy)carbonyl)-L-aspartic acid

Cat. No.: HY-W013182 CAS No.: 119062-05-4 Molecular Formula: C₁₉H₁₇NO₆ 355.34 Molecular Weight:

Target: Amino Acid Derivatives

Pathway: Others

Powder Storage: -20°C 3 years

2 years

In solvent -80°C 6 months

> -20°C 1 month

Product Data Sheet

SOLVENT & SOLUBILITY

In Vitro

DMSO: 100 mg/mL (281.42 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Mass Concentration	1 mg	5 mg	10 mg
	1 mM	2.8142 mL	14.0710 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

Please refer to the solubility information to select the appropriate solvent.

In Vivo

- 1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.5 mg/mL (7.04 mM); Clear solution
- 2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.5 mg/mL (7.04 mM); Clear solution
- 3. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.5 mg/mL (7.04 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(((9H-Fluoren-9-yl)methoxy)carbonyl)-L-aspartic acid is an aspartic acid derivative^[1].

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].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

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):1793-1144.							
	ution: Product has not b : 609-228-6898	een fully validated for med Fax: 609-228-5909	lical applications. For researd E-mail: tech@MedChemE				
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