

Z-Asp(OBzl)-OH

Chemical Properties

CAS No. : 3479-47-8

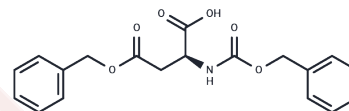
Formula: C19H19NO6

Molecular Weight: 357.36

Keep away from moisture

Storage: 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	Z-Asp(OBzl)-OH (N-Cbz-L-Aspartic acid 4-benzyl ester) is an aspartic acid derivative.
Targets(IC50)	Amino Acids and Derivatives
In vitro	Amino acids and their derivatives are commercially utilized 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: 45 mg/mL (125.92 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
------------	--

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7983 mL	13.9915 mL	27.983 mL
5 mM	0.5597 mL	2.7983 mL	5.5966 mL
10 mM	0.2798 mL	1.3991 mL	2.7983 mL
50 mM	0.056 mL	0.2798 mL	0.5597 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.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481