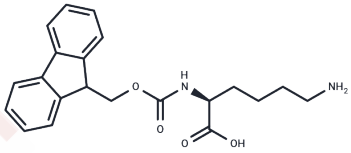
Data Sheet (Cat.No.T65665)

TargetMol

Fmoc-Lys-OH

Chemical Properties



CAS No. : 105047-45-8

Formula: C21H24N2O4

Molecular Weight: 368.43

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	Fmoc-Lys-OH (Nα-Fmoc-L-lysine) is a lysine derivative commonly utilized in the synthesis of active compounds.
Targets(IC50)	Amino Acids and Derivatives
In vitro	Amino acids, including derivatives such as Fmoc-Lys-OH, are widely utilized as ergogenic supplements due to their capacity to enhance anabolic hormone secretion, provide fuel during physical activity, improve mental performance under stress, and protect against exercise-induced muscle damage. These substances are acknowledged for their efficacy as ergogenic dietary aids[1].

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7142 mL	13.5711 mL	27.1422 mL
5 mM	0.5428 mL	2.7142 mL	5.4284 mL
10 mM	0.2714 mL	1.3571 mL	2.7142 mL
50 mM	0.0543 mL	0.2714 mL	0.5428 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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