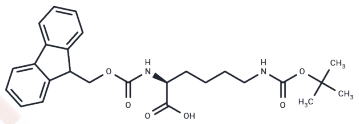
Data Sheet (Cat.No.T67566)

TargetMol

Fmoc-Lys(Boc)-OH

Chemical Properties



CAS No. : 71989-26-9

Formula: C26H32N2O6

Molecular Weight: 468.54

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(Boc)-OH (N-α-(Fmoc)-N-ε-(t-boc)-L-Lysine-OH) is a lysine derivative that acts as a reactive linker.
Targets(IC50)	Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 90 mg/mL (192.09 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween-80+45% Saline: 3.3 mg/mL (7.04 mM),Sonication is recommended. *Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.*

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1343 mL	10.6714 mL	21.3429 mL
5 mM	0.4269 mL	2.1343 mL	4.2686 mL
10 mM	0.2134 mL	1.0671 mL	2.1343 mL
50 mM	0.0427 mL	0.2134 mL	0.4269 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):1793-1807.

Takenaka S, et al. Fluoreometric behavior of a novel bis-acridine orange bound to double stranded DNA. Nucleic Acids Res Suppl. 2003;(3):151-15

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