

Fmoc-Phe-OH

Chemical Properties

CAS No. : 35661-40-6

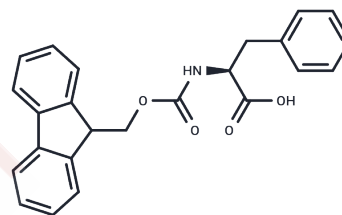
Formula: C₂₄H₂₁NO₄

Molecular Weight: 387.43

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	Fmoc-Phe-OH is a highly hydrophobic Fmoc-protected phenylalanine derivative that dissolves well in DMF and NMP, with analogs available for structure-activity relationship (SAR) and drug optimization studies, making Fmoc-Phe-OH suitable for peptide synthesis and chemical biology research.
Targets(IC50)	Others,Amino Acids and Derivatives

Solubility Information

Solubility	DMSO: 80 mg/mL (206.49 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 (8.52 mM),Sonication is recommended. <i>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.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5811 mL	12.9056 mL	25.8111 mL
5 mM	0.5162 mL	2.5811 mL	5.1622 mL
10 mM	0.2581 mL	1.2906 mL	2.5811 mL
50 mM	0.0516 mL	0.2581 mL	0.5162 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

Titirici MM, Sellergren B. Peptide recognition via hierarchical imprinting. *Anal Bioanal Chem.* 2004 Apr;378(8):1913-21.

Mohtavinejad N, Amanlou M, Bitarafan-Rajabi A, Khalaj A, Pormohammad A, Ardestani MS. Technetium-99 m-PEGylated dendrimer-G2-(Dabcyle-Lys6,Phe7)-pHBSP: A novel Nano-Radiotracer for molecular and early detecting of cardiac ischemic region. *Bioorg Chem.* 2020 May;98:103731.

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