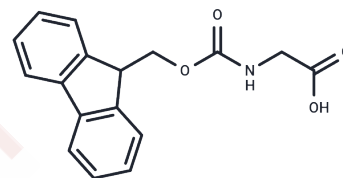


Fmoc-Gly-OH

Chemical Properties

CAS No. :	29022-11-5
Formula:	C ₁₇ H ₁₅ NO ₄
Molecular Weight:	297.31
Storage:	Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	Fmoc-Gly-OH is the simplest Fmoc-amino acid and is the only standard amino acid without a chiral center, Fmoc-Gly-OH is an N-Fmoc-protected form of Glycine (G615990). Glycine is a nonessential amino acid that acts as an inhibitory neurotransmitter in the vertebrate central nervous system. Glycine also possesses cytoprotective against oxidant damage in the kidney.
Targets(IC50)	Others,Amino Acids and Derivatives
In vitro	After coupling Fmoc-Gly-OH to the surface of the amino-modified TiO ₂ @SiO ₂ core-shell material, the Fmoc group can be determined using ultraviolet-visible spectroscopy (UV-vis), thereby inferring the quantity of amino groups in this core-shell material [2].

Solubility Information

Solubility	DMSO: 80 mg/mL (269.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3635 mL	16.8175 mL	33.6349 mL
5 mM	0.6727 mL	3.3635 mL	6.727 mL
10 mM	0.3363 mL	1.6817 mL	3.3635 mL
50 mM	0.0673 mL	0.3363 mL	0.6727 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

Xiaobing Wan, et al. Preparation method for carboxylate ester compound. WO2022134297A1 (compound 1q)
Szczepańska E, et al. Efficient Method for the Concentration Determination of Fmoc Groups Incorporated in the Core-Shell Materials by Fmoc-Glycine. Molecules. 2020 Sep 1;25(17):3983.

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