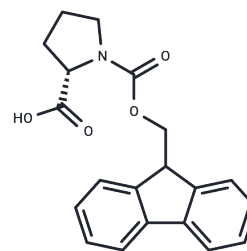


## Fmoc-L-Proline

## Chemical Properties

CAS No. :	71989-31-6
Formula:	C <sub>20</sub> H <sub>19</sub> NO <sub>4</sub>
Molecular Weight:	337.37
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-L-Proline (Fmoc-Pro-OH) is a proline derivative.
Targets(IC50)	Amino Acids and Derivatives
In vitro	Amino acids and their derivatives are commercially utilized as ergogenic supplements. They enhance anabolic hormone secretion, fuel supply during exercise, mental performance under stress, and prevent exercise-induced muscle damage. These compounds are acknowledged as beneficial ergogenic dietary substances[1].

## Solubility Information

Solubility	DMSO: 45 mg/mL (133.38 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	2.9641 mL	14.8205 mL	29.641 mL
5 mM	0.5928 mL	2.9641 mL	5.9282 mL
10 mM	0.2964 mL	1.4821 mL	2.9641 mL
50 mM	0.0593 mL	0.2964 mL	0.5928 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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