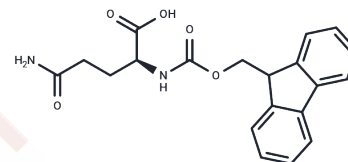


## Nalpha-Fmoc-L-Glutamine

## Chemical Properties

CAS No. :	71989-20-3
Formula:	C <sub>20</sub> H <sub>20</sub> N <sub>2</sub> O <sub>5</sub>
Molecular Weight:	368.38
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	Nalpha-Fmoc-L-Glutamine (Fmoc-Gln-OH) is a glutamine derivative.
Targets(IC50)	Amino Acids and Derivatives
In vitro	Amino acids and their derivatives are commercially utilized as ergogenic supplements, influencing anabolic hormone secretion, fuel supply during exercise, mental performance under stress, and preventing exercise-induced muscle damage. These compounds are recognized as beneficial ergogenic dietary substances[1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7146 mL	13.5729 mL	27.1459 mL
5 mM	0.5429 mL	2.7146 mL	5.4292 mL
10 mM	0.2715 mL	1.3573 mL	2.7146 mL
50 mM	0.0543 mL	0.2715 mL	0.5429 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.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

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