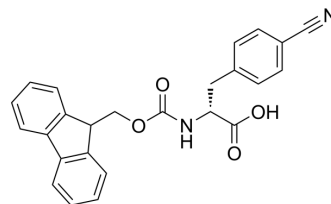


Fmoc-D-Phe(4-CN)-OH

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-W010957 | | |
| CAS No.: | 205526-34-7 | | |
| Molecular Formula: | C ₂₅ H ₂₀ N ₂ O ₄ | | |
| Molecular Weight: | 412.44 | | |
| Target: | Amino Acid Derivatives | | |
| Pathway: | Others | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (242.46 mM; ultrasonic and warming and heat to 60°C)

| Concentration | Mass | | |
|---------------|-----------|------------|------------|
| | 1 mg | 5 mg | 10 mg |
| 1 mM | 2.4246 mL | 12.1230 mL | 24.2460 mL |
| 5 mM | 0.4849 mL | 2.4246 mL | 4.8492 mL |
| 10 mM | 0.2425 mL | 1.2123 mL | 2.4246 mL |

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Fmoc-D-Phe(4-CN)-OH is a phenylalanine derivative^[1].

In Vitro

Amino acids and amino acid derivatives have been commercially used as ergogenic supplements. They influence the secretion of anabolic hormones, supply of fuel during exercise, mental performance during stress related tasks and prevent exercise induced muscle damage. They are recognized to be beneficial as ergogenic dietary substances^[1]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Luckose F, et al. Effects of amino acid derivatives on physical, mental, and physiological activities. Crit Rev Food Sci Nutr. 2015;55(13):1793-840.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA