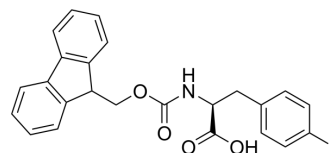


## Fmoc-Phe(4-I)-OH

|                    |  |       |          |
|--------------------|--|-------|----------|
| Cat. No.:          | HY-W013714                                       |       |          |
| CAS No.:           | 82565-68-2                                       |       |          |
| Molecular Formula: | C <sub>24</sub> H <sub>20</sub> INO <sub>4</sub> |       |          |
| Molecular Weight:  | 513.32   |       |          |
| 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 : 62.5 mg/mL (121.76 mM; Need ultrasonic)

| Concentration | Mass      |           |            |
|---------------|-----------|-----------|------------|
|               | 1 mg      | 5 mg      | 10 mg      |
| 1 mM          | 1.9481 mL | 9.7405 mL | 19.4810 mL |
| 5 mM          | 0.3896 mL | 1.9481 mL | 3.8962 mL  |
| 10 mM         | 0.1948 mL | 0.9741 mL | 1.9481 mL  |

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

### BIOLOGICAL ACTIVITY

#### Description

Fmoc-Phe(4-I)-OH is a phenylalanine derivative<sup>[1]</sup>.

#### 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<sup>[1]</sup>.  
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):1793-899.

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

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