# (((9H-Fluoren-9-yl)methoxy)carbonyl)-D-tyrosine

**Cat. No.:** HY-W048703

**CAS No.:** 112883-29-1

**Molecular Formula:** $C_{24}H_{21}NO_5$

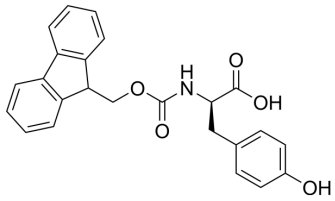
**Molecular Weight:** 403.43

**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 (247.87 mM; Need ultrasonic)

**Preparing Stock Solutions**

| Solvent / Mass / Concentration | 1 mg | 5 mg | 10 mg |
|---|---|---|---|
| 1 mM | 2.4787 mL | 12.3937 mL | 24.7874 mL |
| 5 mM | 0.4957 mL | 2.4787 mL | 4.9575 mL |
| 10 mM | 0.2479 mL | 1.2394 mL | 2.4787 mL |

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

## BIOLOGICAL ACTIVITY

**Description**

(((9H-Fluoren-9-yl)methoxy)carbonyl)-D-tyrosine is a tyrosine 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):1793-1144.

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

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