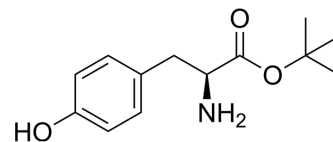


(S)-2-Amino-3-(4-hydroxyphenyl)propionic acid tert-butyl ester

| | |
|--------------------|--|
| Cat. No.: | HY-34519 |
| CAS No.: | 16874-12-7 |
| Molecular Formula: | C ₁₃ H ₁₉ NO ₃ |
| Molecular Weight: | 237.29 |
| Target: | Amino Acid Derivatives |
| Pathway: | Others |
| Storage: | <div> Powder -20°C 3 years </div> <div> 4°C 2 years </div> <div> In solvent -80°C 6 months </div> <div> -20°C 1 month </div> |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (421.43 mM; Need ultrasonic)

| | Solvent Concentration | Mass | 1 mg | 5 mg | 10 mg |
|------------------------------|--------------------------|------|-----------|------------|------------|
| | | | | | |
| Preparing Stock Solutions | 1 mM | | 4.2143 mL | 21.0713 mL | 42.1425 mL |
| | 5 mM | | 0.8429 mL | 4.2143 mL | 8.4285 mL |
| | 10 mM | | 0.4214 mL | 2.1071 mL | 4.2143 mL |

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

BIOLOGICAL ACTIVITY

Description

(S)-2-Amino-3-(4-hydroxyphenyl)propionic acid tert-butyl ester 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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