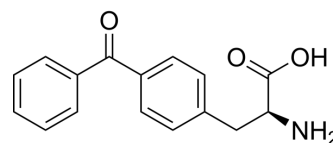


(S)-2-amino-3-(4-benzoylphenyl)propanoic acid

| | |
|--------------------|--|
| Cat. No.: | HY-W000795 |
| CAS No.: | 104504-45-2 |
| Molecular Formula: | C ₁₆ H ₁₅ NO ₃ |
| Molecular Weight: | 269.3 |
| Target: | Amino Acid Derivatives |
| Pathway: | Others |
| Storage: | 4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light) |



SOLVENT & SOLUBILITY

In Vitro

H₂O : 4.81 mg/mL (17.86 mM; ultrasonic and warming and adjust pH to 11 with NaOH and heat to 60°C)

| Concentration | Mass | | | |
|---------------|-----------|------------|------------|--|
| | 1 mg | 5 mg | 10 mg | |
| 1 mM | 3.7133 mL | 18.5667 mL | 37.1333 mL | |
| 5 mM | 0.7427 mL | 3.7133 mL | 7.4267 mL | |
| 10 mM | 0.3713 mL | 1.8567 mL | 3.7133 mL | |

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

BIOLOGICAL ACTIVITY

Description

(S)-2-amino-3-(4-benzoylphenyl)propanoic acid is an alanine 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):1793-1024.

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

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