

Product Data Sheet

Ethyl L-phenylalaninate hydrochloride

Cat. No.: HY-W012255 CAS No.: 3182-93-2 Molecular Formula: $C_{11}H_{16}CINO_2$

Molecular Weight: 229.7

Target: Amino Acid Derivatives

Pathway: Others

Storage: 4°C, sealed storage, away from moisture

* In solvent: -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture)

$$NH_2$$
 H-C

SOLVENT & SOLUBILITY

In Vitro

DMSO: 100 mg/mL (435.35 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Mass Concentration | 1 mg | 5 mg | 10 mg |
|------------------------------|-------------------------------|-----------|------------|------------|
| | 1 mM | 4.3535 mL | 21.7675 mL | 43.5350 mL |
| | 5 mM | 0.8707 mL | 4.3535 mL | 8.7070 mL |
| | 10 mM | 0.4354 mL | 2.1768 mL | 4.3535 mL |

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

BIOLOGICAL ACTIVITY

| Description | Ethyl L-phenylalaninate hydrochloride 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):1793-942.

 $\label{lem:caution:Product} \textbf{Caution: Product has not been fully validated for medical applications. For research use only.}$

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