MCE RedChemExpress

Product Data Sheet

tert-Butyl (R)-N-benzyl-N-(2-chloropropyl)glycinate

Cat. No.: HY-42994

CAS No.: 888494-24-4

Molecular Formula: $C_{16}H_{24}CINO_2$ Molecular Weight: 297.82

Target: Amino Acid Derivatives

Pathway: Others

Storage: Pure form -20°C 3 years

4°C 2 years

In solvent -80°C 6 months

-20°C 1 month

SOLVENT & SOLUBILITY

In Vitro

DMSO: ≥ 122.5 mg/mL (411.32 mM)

* "≥" means soluble, but saturation unknown.

| Preparing Stock Solutions | Solvent Mass Concentration | 1 mg | 5 mg | 10 mg |
|------------------------------|-------------------------------|-----------|------------|------------|
| | 1 mM | 3.3577 mL | 16.7887 mL | 33.5773 mL |
| | 5 mM | 0.6715 mL | 3.3577 mL | 6.7155 mL |
| | 10 mM | 0.3358 mL | 1.6789 mL | 3.3577 mL |

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

BIOLOGICAL ACTIVITY

Description

tert-Butyl (R)-N-benzyl-N-(2-chloropropyl)glycinate is a <u>Glycine</u> (HY-Y0966) derivative^[1].

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.

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

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