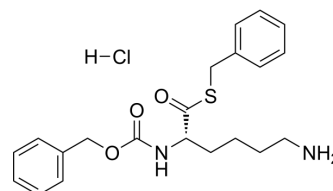


Z-LYS-SBZL monohydrochloride

| | |
|---------------------------|--|
| Cat. No.: | HY-141447 |
| CAS No.: | 69861-89-8 |
| Molecular Formula: | C ₂₁ H ₂₇ ClN ₂ O ₃ S |
| Molecular Weight: | 422.97 |
| Target: | Amino Acid Derivatives |
| Pathway: | Others |
| Storage: | -20°C, sealed storage, away from moisture * In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture) |



SOLVENT & SOLUBILITY

| | | | | | | |
|---|---|----------------------|-------------|-------------|-------------|--------------|
| In Vitro | DMSO : 250 mg/mL (591.06 mM; Need ultrasonic) | | | | | |
| | Preparing Stock Solutions | Solvent | Mass | 1 mg | 5 mg | 10 mg |
| | | Concentration | | | | |
| | | 1 mM | | 2.3642 mL | 11.8212 mL | 23.6423 mL |
| | | 5 mM | | 0.4728 mL | 2.3642 mL | 4.7285 mL |
| 10 mM | | 0.2364 mL | 1.1821 mL | 2.3642 mL | | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | <ol style="list-style-type: none"> Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (4.92 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (4.92 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (4.92 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | |
|--------------------|---|
| Description | Z-LYS-SBZL (monohydrochloride) is a lysine 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

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

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