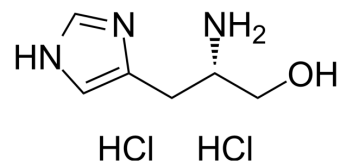


L-Histidinol dihydrochloride

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-W014233 | | |
| CAS No.: | 1596-64-1 | | |
| Molecular Formula: | C ₆ H ₁₃ Cl ₂ N ₃ O | | |
| Molecular Weight: | 214.09 | | |
| Target: | Endogenous Metabolite | | |
| Pathway: | Metabolic Enzyme/Protease | | |
| Storage: | Powder | -20°C | 3 years |
| | | 4°C | 2 years |
| | In solvent | -80°C | 6 months |
| | | -20°C | 1 month |



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (467.09 mM; Need ultrasonic)
 H₂O : 100 mg/mL (467.09 mM; Need ultrasonic)

| Preparing Stock Solutions | Solvent Concentration | Mass | | |
|---------------------------|-----------------------|-----------|------------|------------|
| | | 1 mg | 5 mg | 10 mg |
| | 1 mM | 4.6709 mL | 23.3547 mL | 46.7093 mL |
| | 5 mM | 0.9342 mL | 4.6709 mL | 9.3419 mL |
| | 10 mM | 0.4671 mL | 2.3355 mL | 4.6709 mL |

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 100 mg/mL (467.09 mM); Clear solution; Need ultrasonic
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (11.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (11.68 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (11.68 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

L-Histidinol dihydrochloride is an endogenous metabolite.

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

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