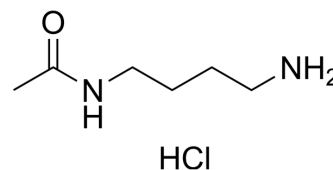


N-Acetylputrescine hydrochloride

| | |
|--------------------|--|
| Cat. No.: | HY-113100 |
| CAS No.: | 18233-70-0 |
| Molecular Formula: | C ₆ H ₁₅ ClN ₂ O |
| Molecular Weight: | 166.65 |
| Target: | Endogenous Metabolite |
| Pathway: | Metabolic Enzyme/Protease |
| Storage: | 4°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 | H ₂ O : 200 mg/mL (1200.12 mM; Need ultrasonic) | | | | | |
| | DMSO : ≥ 125 mg/mL (750.08 mM) | | | | | |
| | * "≥" means soluble, but saturation unknown. | | | | | |
| | Preparing Stock Solutions | Solvent | Mass | 1 mg | 5 mg | 10 mg |
| | | Concentration | | | | |
| 1 mM | | | 6.0006 mL | 30.0030 mL | 60.0060 mL | |
| 5 mM | | | 1.2001 mL | 6.0006 mL | 12.0012 mL | |
| | 10 mM | | 0.6001 mL | 3.0003 mL | 6.0006 mL | |
| Please refer to the solubility information to select the appropriate solvent. | | | | | | |
| In Vivo | 1. Add each solvent one by one: PBS Solubility: 100 mg/mL (600.06 mM); Clear solution; Need ultrasonic | | | | | |
| | 2. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline Solubility: ≥ 2.08 mg/mL (12.48 mM); Clear solution | | | | | |
| | 3. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 2.08 mg/mL (12.48 mM); Clear solution | | | | | |
| | 4. Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 2.08 mg/mL (12.48 mM); Clear solution | | | | | |

BIOLOGICAL ACTIVITY

| | | |
|---------------------------|--|-----------------------------|
| Description | N-Acetylputrescine hydrochloride is a putrescine derivative. | |
| IC ₅₀ & Target | Microbial Metabolite | Human Endogenous Metabolite |

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

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