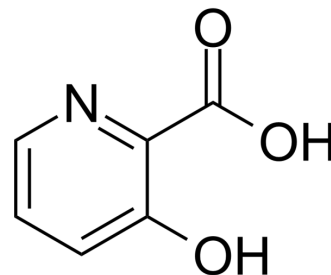


3-Hydroxypicolinic acid

| | | | |
|---------------------------|---|-------|----------|
| Cat. No.: | HY-Y0030 | | |
| CAS No.: | 874-24-8 | | |
| Molecular Formula: | C ₆ H ₅ NO ₃ | | |
| Molecular Weight: | 139.11 | | |
| 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 : 50 mg/mL (359.43 mM; ultrasonic and warming and heat to 60°C) | | | | |
| | | Solvent Concentration | Mass 1 mg | 5 mg | 10 mg |
| | Preparing Stock Solutions | 1 mM | 7.1886 mL | 35.9428 mL | 71.8856 mL |
| | | 5 mM | 1.4377 mL | 7.1886 mL | 14.3771 mL |
| 10 mM | | 0.7189 mL | 3.5943 mL | 7.1886 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: ≥ 1.25 mg/mL (8.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline) Solubility: ≥ 1.25 mg/mL (8.99 mM); Clear solution Add each solvent one by one: 10% DMSO >> 90% corn oil Solubility: ≥ 1.25 mg/mL (8.99 mM); Clear solution | | | | |

BIOLOGICAL ACTIVITY

| | |
|-------------------------------------|---|
| Description | 3-Hydroxypicolinic acid is a picolinic acid derivative, and belongs to the pyridine family. |
| IC₅₀ & Target | Human Endogenous Metabolite |

REFERENCES

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA