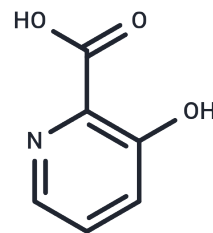


3-Hydroxypicolinic acid

Chemical Properties

CAS No. :	874-24-8
Formula:	C ₆ H ₅ NO ₃
Molecular Weight:	139.11
Storage:	Keep away from direct sunlight, Keep away from moisture Powder: -20°C for 3 years In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



Biological Description

Description	3-Hydroxypicolinic acid (Picolinic acid, 3-hydroxy- (6Cl,7Cl,8Cl)), a picolinic acid derivative, belongs to the pyridine family.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 28 mg/mL (201.28 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
In vivo Formulation	10% DMSO+40% PEG300+5% Tween 80+45% Saline: 1 mg/mL (7.19 mM), Sonication is recommended. <i>Please add the solvents sequentially, clarifying the solution as much as possible before adding the next one. Dissolve by heating and/or sonication if necessary. Working solution is recommended to be prepared and used immediately. The formulation provided above is for reference purposes only. In vivo formulations may vary and should be modified based on specific experimental conditions.</i>

Preparing Stock Solutions

	1mg	5mg	10mg
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
50 mM	0.1438 mL	0.7189 mL	1.4377 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Tang K , Taranenko N I , Allman S L , et al. Picolinic acid as a matrix for laser mass spectrometry of nucleic acids and proteins[J]. Rapid Communications in Mass Spectrometry, 1994, 8(9):673-677.

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