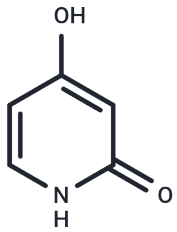
Data Sheet (Cat.No.T7963)

TargetMol

2,4-Dihydroxypyridine

Chemical Properties



CAS No. : 626-03-9

Formula: C5H5NO2

Molecular Weight: 111.1

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.

Biological Description

Description	2,4-Dihydroxypyridine is a pyridine derivative that acts as a chelating agent binding to metal ions and forming complexes. It is used as a reagent for determining the concentration of various ions, such as calcium, magnesium and phosphate. It is also used to measure the rate of enzyme-catalyzed reactions. It is also used for the detection and quantification of proteins, carbohydrates and other biomolecules.
Targets(IC50)	Others,HIV Protease

Solubility Information

Solubility	DMSO: 1.12 mg/mL (10.08 mM),Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	9.0009 mL	45.0045 mL	90.009 mL
5 mM	1.8002 mL	9.0009 mL	18.0018 mL
10 mM	0.9001 mL	4.5005 mL	9.0009 mL
50 mM	0.180 mL	0.9001 mL	1.8002 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

Kolder C R , Hertog H J D . Migration of halogen atoms in halogeno-derivatives of 2,4-dihydroxypyridine (II)[J]. Recueil Des Travaux Chimiques Des Pays Bas, 1953, 72(10):853-858.

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