

4-Pyridoxolactone

Chemical Properties

CAS No. :	4753-19-9
Formula:	C ₈ H ₇ NO ₃
Molecular Weight:	165.15
Storage:	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	4-Pyridoxolactone (β -Pyracin) is a pivotal substrate in the vitamin B6 degradation pathway I, primarily involved in the vitamin B6 metabolism mediated by soil microorganisms. It serves as the specific substrate for 4-pyridoxolactonase, undergoing zinc-dependent lactone ring hydrolysis catalyzed by this enzyme to produce 4-pyridoxic acid.
Targets(IC50)	Others

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	6.0551 mL	30.2755 mL	60.551 mL
5 mM	1.211 mL	6.0551 mL	12.1102 mL
10 mM	0.6055 mL	3.0276 mL	6.0551 mL
50 mM	0.1211 mL	0.6055 mL	1.211 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.

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