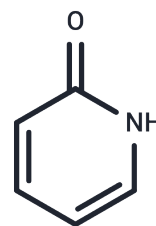


α -Pyridone

Chemical Properties

CAS No. :	142-08-5
Formula:	C ₅ H ₅ NO
Molecular Weight:	95.1
Appearance:	no data available
Storage:	Pure form: -20°C for 3 years In solvent: -80°C for 1 year



Biological Description

Description	α -Pyridone (2-Hydroxypyridine) is the catalyst for generating β -oxopropyl carbonates from cyclic carbonates and alcohols and in the aminolysis of a polyglutamate.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	DMSO: 10 mg/mL (105.15 mM), Sonication is recommended. (< 1 mg/mL refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	10.5152 mL	52.5762 mL	105.1525 mL
5 mM	2.103 mL	10.5152 mL	21.0305 mL
10 mM	1.0515 mL	5.2576 mL	10.5152 mL
50 mM	0.2103 mL	1.0515 mL	2.103 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.

Reference

Zhu M, et L. Efficient synthesis of biazoles by aerobic oxidative homocoupling of azoles catalyzed by a copper(I)/2-pyridonate catalytic system. Chem Commun (Camb). 2011 Dec 28;47(48):12876-8.

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