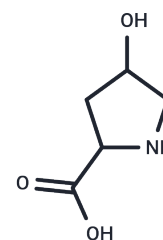


L-Hydroxyproline

Chemical Properties

CAS No. :	51-35-4
Formula:	C ₅ H ₉ NO ₃
Molecular Weight:	131.13
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	L-Hydroxyproline (L-Hydroxyprolin) is one of the hydroxyproline (Hyp) isomers. L-Hydroxyproline is a useful chiral building block in the production of many pharmaceuticals.
Targets(IC50)	Endogenous Metabolite

Solubility Information

Solubility	H ₂ O: 250 mg/mL (1906.5 mM), Sonication is recommended. DMSO: Insoluble, (< 1 mg/ml refers to the product slightly soluble or insoluble)
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Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	7.626 mL	38.1301 mL	76.2602 mL
5 mM	1.5252 mL	7.626 mL	15.252 mL
10 mM	0.7626 mL	3.813 mL	7.626 mL
50 mM	0.1525 mL	0.7626 mL	1.5252 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

Yi Y, et al. Biosynthesis of trans-4-hydroxyproline by recombinant strains of *Corynebacterium glutamicum* and *Escherichia coli*. *BMC Biotechnol.* 2014 May 19;14:44.

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