

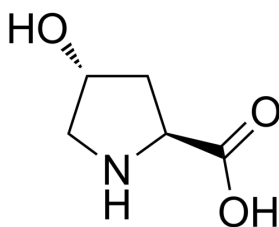
## L-Hydroxyproline

Cat. No.:	HY-40135
CAS No.:	51-35-4
Batch No.:	312444
Chemical Name:	L-Proline, 4-hydroxy-, (4R)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	C <sub>5</sub> H <sub>9</sub> NO <sub>3</sub>		
Molecular Weight:	131.13		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	2 years
		-20°C	1 year

Chemical Structure:



### ANALYTICAL DATA

	Specification	Result
Appearance:	White to off-white (Solid)	White (Powder)
Clarity And Color Of Solution:	Colorless	Colorless
Structure Identification( <sup>1</sup> H NMR Spectrum):	Conforms to Structure	Conforms to Structure
Specific Rotation, C = 1 in H <sub>2</sub> O, 20 deg C:	-77.0 - -74.0 °C	-76.5
Solubility(Turbidity), 50 mg/mL, Water:	Clear	Clear
Residue on Ignition, %:	<0.1	0.05
Loss on Drying, %:	<0.5	0.1
Bacterial endotoxins, EU/mg:	<1	qualified
Arsenic(As), ppm:	≤1	qualified
Heavy Metals(as Pb), ppm:	≤10	qualified
Iron(Fe), ppm:	≤10	qualified
Sulfate(SO <sub>4</sub> ), %:	≤0.03	0.02
Ammonium, %:	≤0.02	0.02
Chloride(Cl), %:	≤0.02	0.02

**Conclusion:** The product has been tested and complies with the given specifications.

---

**Caution: Product has not been fully validated for medical applications. For research use only.**

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: [tech@MedChemExpress.com](mailto:tech@MedChemExpress.com)

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA