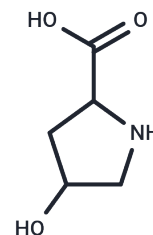


4-Hydroxypyrrrolidine-2-carboxylic acid

Chemical Properties

CAS No. :	6912-67-0
Formula:	C ₅ H ₉ NO ₃
Molecular Weight:	131.13
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	4-Hydroxypyrrrolidine-2-carboxylic acid (4-hydroxyproline) is a non-protein amino acid and endogenous metabolite present in collagen that modulates collagen elasticity and can be used as a diagnostic marker for bone conversion and liver fibrosis.
Targets(IC50)	Amino Acids and Derivatives, Endogenous Metabolite

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

- Zhao X, Hoesl CE, Hoefner GC, Wanner KT. Synthesis and biological evaluation of new GABA-uptake inhibitors derived from proline and from pyrrolidine-2-acetic acid. *Eur J Med Chem.* 2005 Mar;40(3):231-47.
- Sanavi-Khoshnod, R., Zamani, H.A., Joz-Yarmohammadi, F. et al. A New Highly Selective Neodymium(III) Polyvinylchloride Membrane Electrode Based on 4-Hydroxypyrrrolidine-2-Carboxylic Acid as an Active Material. *J Anal Chem* 73, 71-81 (2018).

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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