

Product Data Sheet

Product Name: H-Hyp-OH

Cat. No.: GA11341

Chemical Properties

Cas. No. 51-35-4

Chemical Name (2S,4R)-4-hydroxypyrrolidine-2-carboxylic acid

SMILES C1C(CNC1C(=O)O)O

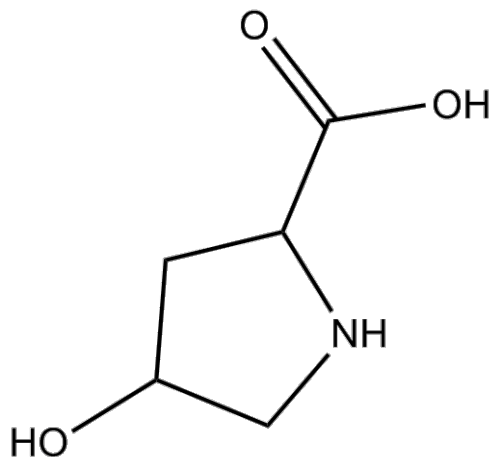
Formula $C_5H_9NO_3$ M.Wt 131.1

Solubility DMSO : 1mg/mL; Water : 26mg/mL Storage Store at -20°C

General tips For obtaining a higher solubility, please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT, or blue ice upon request.

Structure



Background

L-Hydroxyproline, one of the hydroxyproline (Hyp) isomers, is a useful chiral building block in the production of many pharmaceuticals.

L-Hydroxyproline (Trans-4-hydroxy-L-proline; Trans-Hyp) has been widely used in medicine, biochemistry, food, cosmetic and other aspects of industry. Additionally, L-Hydroxyproline has also

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been found in the composition of some secondary metabolites such as actinomycins and echinocandins. L-Hydroxyproline is manufactured industrially most by acid hydrolysis of mammalian collagen because of its rich amount in the collagen[1].

References:

[1]. 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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