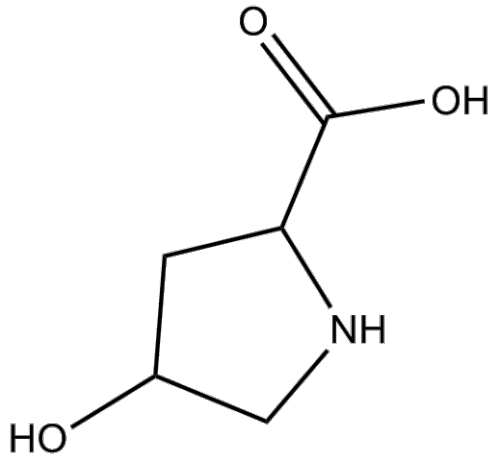
Product Data Sheet

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

Product Data Sheet

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.

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

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