

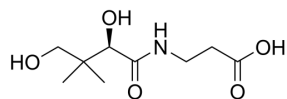
## D-Pantothenic acid

Cat. No.: HY-B0430  
 CAS No.: 79-83-4  
 Batch No.: 267632  
 Chemical Name:  $\beta$ -Alanine, N-[(2R)-2,4-dihydroxy-3,3-dimethyl-1-oxobutyl]-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:  $C_9H_{17}NO_5$   
 Molecular Weight: 219.23  
 Storage: Powder -20°C 3 years  
 4°C 2 years  
 In solvent -80°C 6 months  
 -20°C 1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
 $^1H$  NMR Spectrum: Consistent with structure  
 MS: Consistent with structure  
 Purity (NMR):  $\geq 98.0\%$   
 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.**

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