

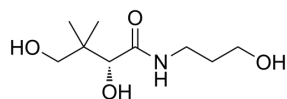
## D-Panthenol

Cat. No.: HY-B1391  
CAS No.: 81-13-0  
Batch No.: 101441  
Chemical Name: Butanamide, 2,4-dihydroxy-N-(3-hydroxypropyl)-3,3-dimethyl-, (2R)-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>9</sub>H<sub>19</sub>NO<sub>4</sub>  
Molecular Weight: 205.25  
Storage: Pure form      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent    -80°C    6 months  
  -20°C    1 month

Chemical Structure:



### ANALYTICAL DATA

Appearance: Colorless to light yellow (Oil)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥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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