

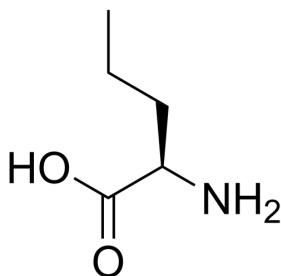
## D-Norvaline

Cat. No.: HY-41309  
CAS No.: 2013-12-9  
Batch No.: 295592  
Chemical Name: D-Norvaline

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>5</sub>H<sub>11</sub>NO<sub>2</sub>  
Molecular Weight: 117.15  
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)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (NMR): ≥97.0%  
OR(C=1.03g/100mL, 1N/HCL): -20.89°  
Water(KF): 0.59%  
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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