

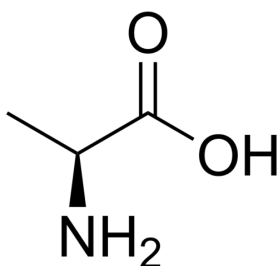
## L-Alanine

Cat. No.: HY-N0229  
CAS No.: 56-41-7  
Batch No.: 384478  
Chemical Name: L-Alanine

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>3</sub>H<sub>7</sub>NO<sub>2</sub>  
Molecular Weight: 89.09  
Storage: Powder      -20°C    3 years  
                                  4°C      2 years  
                                  In solvent   -80°C    2 years  
  -20°C    1 year

Chemical Structure:



### ANALYTICAL DATA

Appearance: White to off-white (Solid)  
<sup>1</sup>H NMR Spectrum: Consistent with structure  
Purity (HPLC): 99.90%  
OR(C=1.00g/100ml 5N HCL): 14.0°  
Water(KF): 0.18%  
Residue on Ignition: 0.04%  
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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