

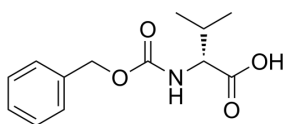
## Cbz-D-Valine

Cat. No.: HY-W013905  
CAS No.: 1685-33-2  
Batch No.: 270704  
Chemical Name: D-Valine, N-[(phenylmethoxy)carbonyl]-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>13</sub>H<sub>17</sub>NO<sub>4</sub>  
Molecular Weight: 251.28  
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 (HPLC): 97.22%  
Water(KF): 0.66%  
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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