

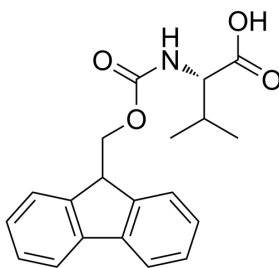
## Fmoc-L-Val-OH

Cat. No.: HY-I1111  
CAS No.: 68858-20-8  
Batch No.: 355062  
Chemical Name: L-Valine, NSC 334304 N-[(9H-fluoren-9-ylmethoxy)carbonyl]-

### PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C<sub>20</sub>H<sub>21</sub>NO<sub>4</sub>  
Molecular Weight: 339.39  
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  
Enantiomeric Excess: 100.00%  
Purity (HPLC): 99.90%  
Residue on Ignition: 0.03%  
Water(KF): 0.41%  
Optical Rotation: -20.334° (C=0.01 g/100ml, DMF)  
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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