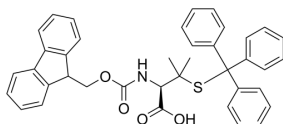


## Certificate of Analysis

**Product Name:** Fmoc-Pen(Trt)-OH  
**Cat. No.:** CS-W009592  
**CAS No.:** 201531-88-6  
**Batch No.:** L622562  
**Chemical Name:** L-Valine, N-[(9H-fluoren-9-ylmethoxy)carbonyl]-3-[(triphenylmethyl)thio]-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>39</sub>H<sub>35</sub>NO<sub>4</sub>S  
**Molecular Weight:** 613.76  
**Storage:** Store at room temperature  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Enantiomeric Excess:** 100%  
**Purity (HPLC):** 98.26%  
**Water(KF):** 0.51%  
**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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