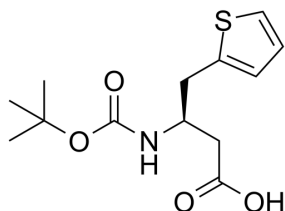


## Certificate of Analysis

**Product Name:** (R)-3-((tert-Butoxycarbonyl)amino)-4-(thiophen-2-yl)butanoic acid  
**Cat. No.:** CS-0154491  
**CAS No.:** 269726-89-8  
**Batch No.:** Le080492868

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>13</sub>H<sub>19</sub>NO<sub>4</sub>S  
**Molecular Weight:** 285.36  
**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  
**Purity (NMR):** ≥97.0%  
**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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