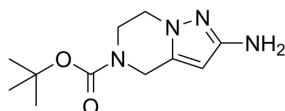


## Certificate of Analysis

**Product Name:** tert-butyl 2-amino-6,7-dihydropyrazolo[1,5-a]pyrazine-5(4H)-carboxylate  
**Cat. No.:** CS-0199612  
**CAS No.:** 1209487-56-8  
**Batch No.:** 149639

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>11</sub>H<sub>18</sub>N<sub>4</sub>O<sub>2</sub>  
**Molecular Weight:** 238.29  
**Storage:** 2-8°C, protect from light  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (HPLC):** 97.17%  
**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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