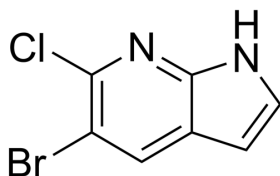


## Certificate of Analysis

**Product Name:** 5-Bromo-6-chloro-1H-pyrrolo[2,3-b]pyridine  
**Cat. No.:** CS-0004464  
**CAS No.:** 1190321-59-5  
**Batch No.:** 102455

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>7</sub>H<sub>4</sub>BrClN<sub>2</sub>  
**Molecular Weight:** 231.48  
**Storage:** Store at room temperature  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Off-white to light brown (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 98.98%  
**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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