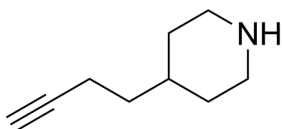


## Certificate of Analysis

**Product Name:** 4-(But-3-yn-1-yl)piperidine hydrochloride  
**Cat. No.:** CS-0142920  
**CAS No.:** 1885090-83-4  
**Batch No.:** 384974  
**Chemical Name:** Piperidine, 4-(3-butyn-1-yl)-, hydrochloride (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>9</sub>H<sub>16</sub>ClN  
**Molecular Weight:** 173.68  
**Storage:** 2-8°C, stored under nitrogen  
**Chemical Structure:**



HCl

### ANALYTICAL DATA

**Appearance:** Off-white to light brown (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (NMR):** ≥98.0%  
**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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