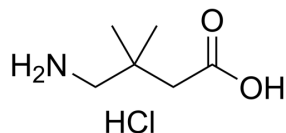


## Certificate of Analysis

**Product Name:** 4-Amino-3,3-dimethylbutanoic acid hydrochloride  
**Cat. No.:** CS-M3329  
**CAS No.:** 89584-21-4  
**Batch No.:** Lg0518251144  
**Chemical Name:** Butanoic acid, 4-amino-3,3-dimethyl-, hydrochloride (1:1)

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>6</sub>H<sub>14</sub>ClNO<sub>2</sub>  
**Molecular Weight:** 167.63  
**Storage:** 2-8°C, sealed storage, away from moisture  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (GC):** 96.76%  
**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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