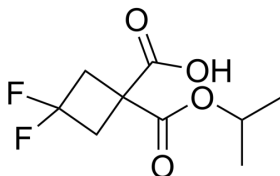


## Certificate of Analysis

**Product Name:** 3,3-Difluoro-1-(isopropoxycarbonyl)cyclobutanecarboxylic acid  
**Cat. No.:** CS-0045550  
**CAS No.:** 1225532-90-0  
**Batch No.:** Lf1110181330

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>9</sub>H<sub>12</sub>F<sub>2</sub>O<sub>4</sub>  
**Molecular Weight:** 222.19  
**Storage:** Storage temp. 2-8°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** 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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