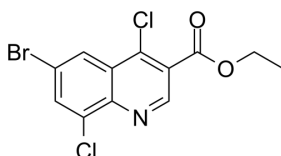


## Certificate of Analysis

**Product Name:** Ethyl 6-bromo-4,8-dichloroquinoline-3-carboxylate  
**Cat. No.:** CS-0097652  
**CAS No.:** 1019396-10-1  
**Batch No.:** 62808  
**Chemical Name:** 3-Quinolinecarboxylic acid, 6-bromo-4,8-dichloro-, ethyl ester

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>12</sub>H<sub>8</sub>BrCl<sub>2</sub>NO<sub>2</sub>  
**Molecular Weight:** 349.01  
**Storage:** -20°C, stored under nitrogen  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (NMR):** ≥95.0%  
**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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