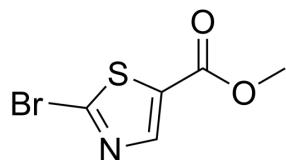


## Certificate of Analysis

**Product Name:** 2-Bromo-1,3-thiazole-5-carboxylic acid methyl ester  
**Cat. No.:** CS-D1612  
**CAS No.:** 54045-74-8  
**Batch No.:** 99696  
**Chemical Name:** 5-Thiazolecarboxylic acid, 2-bromo-, methyl ester

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>5</sub>H<sub>4</sub>BrNO<sub>2</sub>S  
**Molecular Weight:** 222.063  
**Storage:** Storage temp. -20°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Light yellow to yellow (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**LCMS:** Consistent with structure  
**Purity (LCMS):** 97.09%  
**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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