

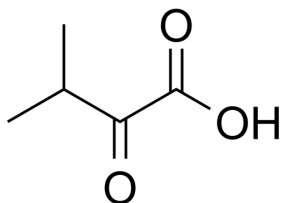
## Certificate of Analysis

**Product Name:** 3-Methyl-2-oxobutanoic acid  
**Cat. No.:** HY-W006057  
**CAS No.:** 759-05-7  
**Batch No.:** 43480  
**Chemical Name:** Butanoic acid, 3-methyl-2-oxo-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>5</sub>H<sub>8</sub>O<sub>3</sub>  
**Molecular Weight:** 116.12  
**Storage:** Powder -20°C 3 years  
In solvent -80°C 6 months  
-20°C 1 month

**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Colorless to off-white (Liquid)  
**<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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