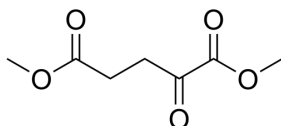


## Certificate of Analysis

**Product Name:** Dimethyl 2-oxoglutarate  
**Cat. No.:** CS-0103277  
**CAS No.:** 13192-04-6  
**Batch No.:** L661786  
**Chemical Name:** Pentanedioic acid, 2-oxo-, 1,5-dimethyl ester

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>7</sub>H<sub>10</sub>O<sub>5</sub>  
**Molecular Weight:** 174.15  
**Storage:** Storage temp. 2-8°C  
**Chemical Structure:**



### ANALYTICAL DATA

**Appearance:** Colorless to light yellow (Liquid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**MS:** Consistent with structure  
**Purity (GC):** 96.43%  
**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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