

## Certificate of Analysis

Product Name: Diethyl 3-oxocyclopentane-1, 1-dicarboxylate  
Cat. No.: GF14409  
Batch No.: 1  
Chemical Name:

### PHYSICAL AND CHEMICAL PROPERTIES

Cas. No.: 180573-13-1  
Molecular Formula: C<sub>11</sub>H<sub>16</sub>O<sub>5</sub>  
Molecular Weight: 228.24  
Storage: Store at RT, away from moisture sealed storage

Chemical Structure:



### ANALYTICAL DATA

Appearance: A solid  
HNMR: Consistent with structure  
HPLC: Consistent with structure  
Purity: >97.00%  
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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