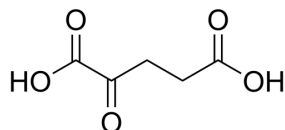


Certificate of Analysis

Product Name: 2-Ketoglutaric acid
Cat. No.: CS-W014352
CAS No.: 328-50-7
Batch No.: Lf0822162207
Chemical Name: Pentanedioic acid,2-oxo-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: C₅H₆O₅
Molecular Weight: 146.10
Storage: Storage temp. 2-8°C
Chemical Structure:



ANALYTICAL DATA

Appearance: Off-white to light yellow (Solid)
¹H NMR Spectrum: Consistent with structure
LCMS: Consistent with structure
Purity (NMR): ≥95.0%
Water(KF): 0.14%
Residue on Ignition: 0.10%
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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