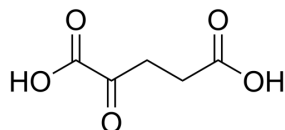


Certificate of Analysis

Product Name: 2-Ketoglutaric acid
Cat. No.: CS-W014352
CAS No.: 328-50-7
Batch No.: 119267
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
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.

Tel: 610-426-3128

Fax: 888-484-5008

E-mail: sales@ChemScene.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA