Certificate of Analysis

2-Ketoglutaric acid

Cat. No.: HY-W013636 CAS No.: 328-50-7 Batch No.: 212051

Chemical Name: Pentanedioic acid, 2-oxo-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula: $C_5H_6O_5$ Molecular Weight: 146.10

Storage: Powder -20°C 3 years

> 2 years $4^{\circ}C$

In solvent -80°C 6 months

> -20°C 1 month

Chemical Structure:

ANALYTICAL DATA

Appearance: Off-white to light yellow (Solid)

¹H NMR Spectrum: Consistent with structure

LCMS: Consistent with structure

Purity (HPLC): 99.90%

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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