Certificate of Analysis

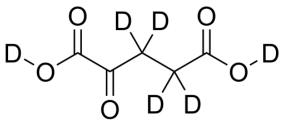
2-Ketoglutaric acid-d_6

Cat. No.:	HY-W013636S2
CAS No.:	1173021-86-7
Batch No.:	448167
Chemical Name:	Pentanedioic-2,2,3,3-d4 acid-1,5-d2, 4-oxo-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_5D_6O_5$		
Molecular Weight:	**152.14**		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month

Chemical Structure:



ANALYTICAL DATA

Appearance:	White to off-white (Solid)
^{1}H NMR Spectrum:	Consistent with structure
Purity (HPLC):	**98.62%**
Isotopic Enrichment:	98.0%
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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