Certificate of Analysis

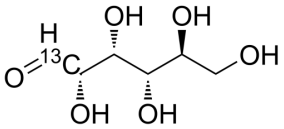
L-Glucose-^{13}C

Cat. No.:	HY-W010042S
CAS No.:	478519-02-7
Batch No.:	318356
Chemical Name:	L-Glucose-1-13C

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_5{}^{13}CH_{12}O_6$		
Molecular Weight:	**181.15**		
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 (NMR):	**≥98.0%**
Isotopic Enrichment:	99.80%
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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