Certificate of Analysis

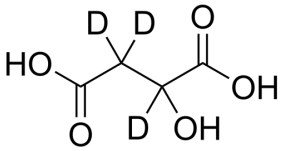
Malic acid-d_3

Cat. No.:	HY-Y1311S
CAS No.:	104596-63-6
Batch No.:	153024
Chemical Name:	Butanedioic-d3 acid, hydroxy-

PHYSICAL AND CHEMICAL PROPERTIES

Molecular Formula:	$C_4H_3D_3O_5$		
Molecular Weight:	**137.11**		
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:	Off-white to light yellow (Solid)
Purity (HPLC):	**99.89%**
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.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com
Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA