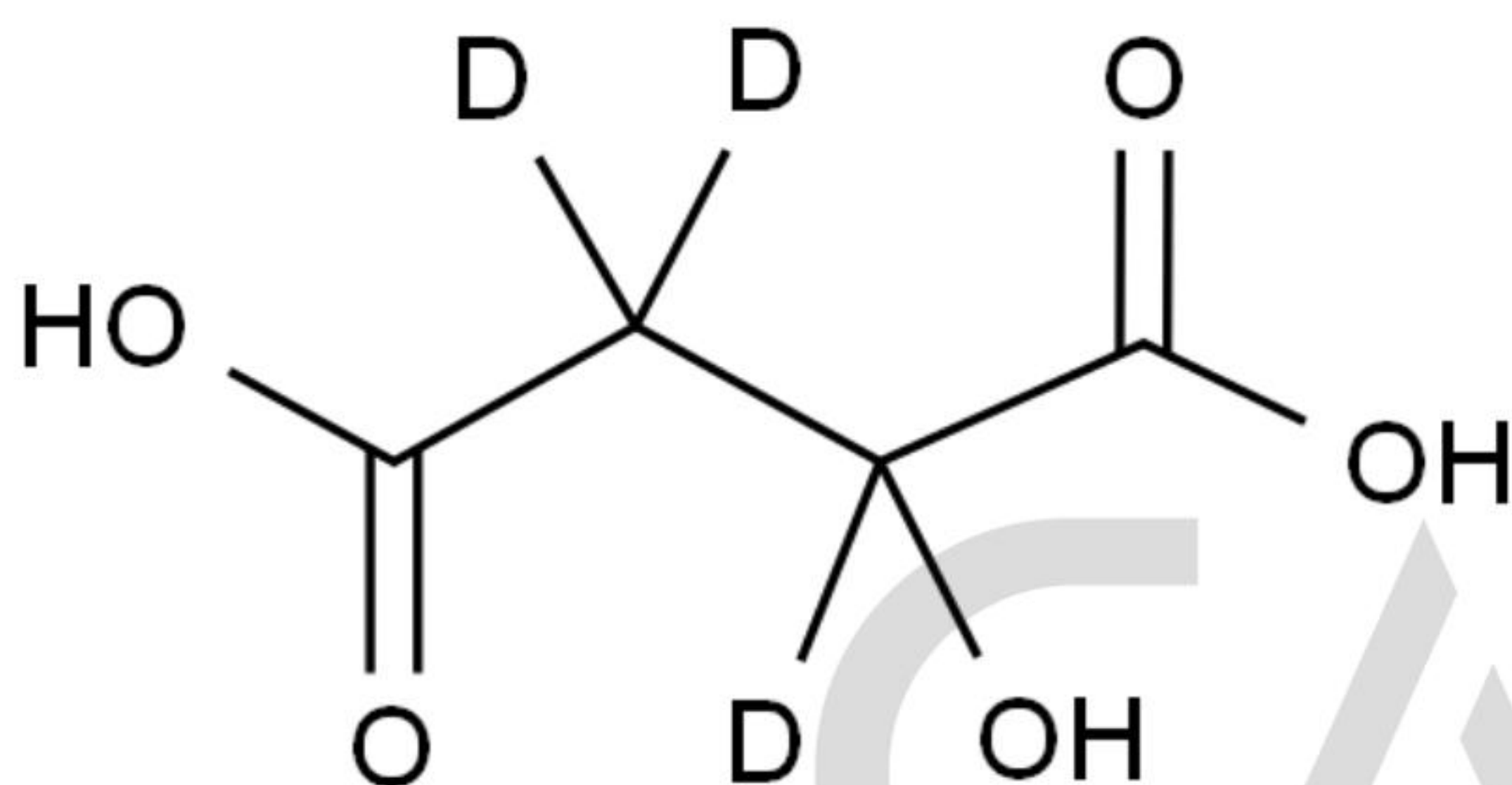


Certificate of Analysis

Reference Material & Standard

Product Name:	DL-Malic Acid-2,3,3-d3	Catalogue Number:	CCFD201735
Synonyms:	N/A	Lot Number:	0509-RE-0048
CAS Number:	104596-63-6	Expiry Date:	Nov 23, 2024
Molecular Formula:	C4H3D3O5	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	137.11		
Chemical Structure:			

Warning:



Test Items	Method	Results
Appearance	Visual inspection	Off-White to Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	HPLC	99.5%
Isotopic Purity		98.1%
Uncertainty		±2.0%

Comment:

The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by: 古雪

Reviewed by:

Xenia

Aproved by General Manager:

David

Date: Nov 24, 2020

Date: May 15, 2023

Date: May 15, 2023

