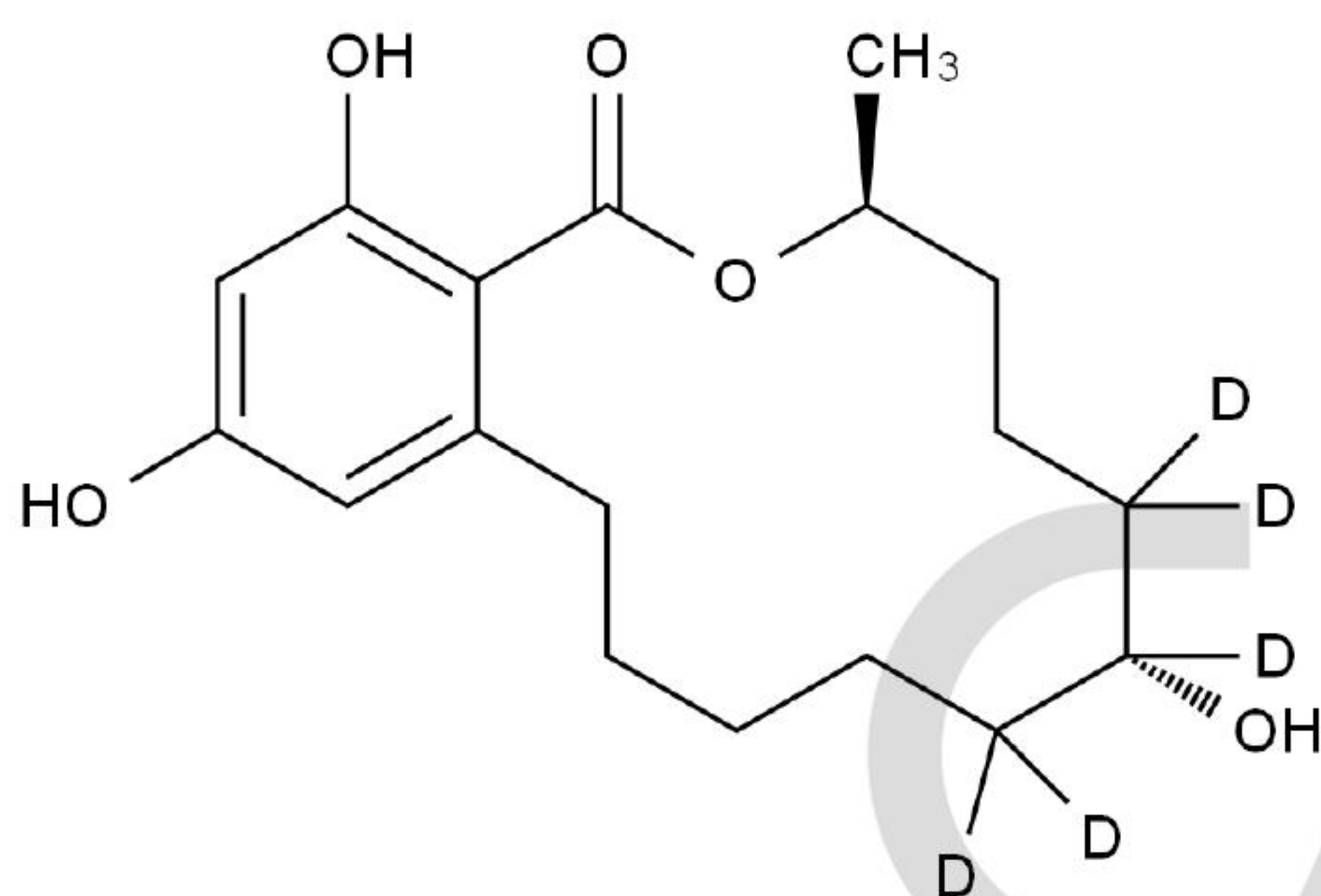


Certificate of Analysis

Reference Material & Standard

Product Name:	alpha-Zearalanol-D5	Catalogue Number:	CCAD301381
Synonyms:	N/A	Lot Number:	0622-RC-0031
CAS Number:	N/A	Expiry Date:	May 31, 2023
Molecular Formula:	C ₁₈ H ₂₁ D ₅ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	327.43	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Crystalline Solid
Identification	HNMR	Confirmed
Chemical Purity	HPLC	99.9%
Isotopic Purity		99.0%
Residual Solvents	NMR	0.2 % acetonitrile
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:

Hin Lam

Reviewed by:

Debia

Approved by General Manager:

David

Date: Mar 01, 2016

Date: Jun 23, 2021

Date: Jun 23, 2021

