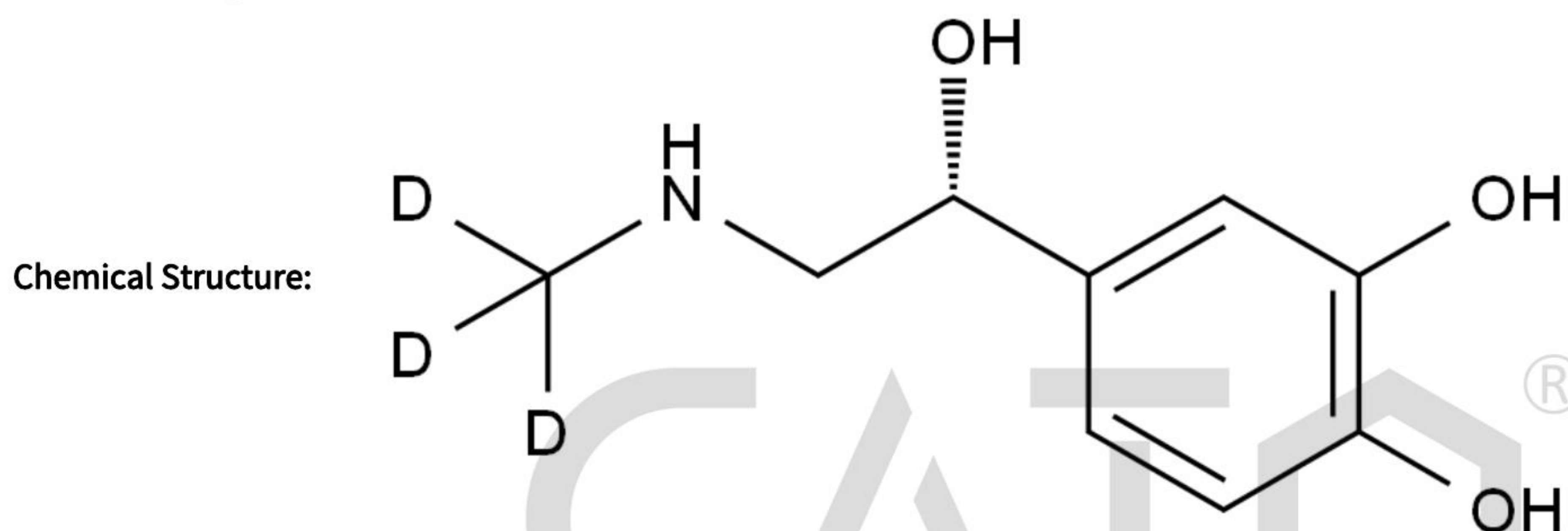


Certificate of Analysis

Reference Material

Product Name:	L-(-)-Epinephrine-d3	Catalogue Number:	CCAD301397
Chemical Name:	N/A	Lot Number:	0727-RD-0027
CAS Number:	1217733-17-9	Expiry Date:	Jul 17, 2024
Molecular Formula:	C9H10D3NO3	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	186.22		



Test Items	Method	Results
Appearance	Visual inspection	Pale Brown Solid
Identification	LCMS&HNMR	Confirmed
Chemical Purity	UPLC	98.6%
Isotopic Purity		98.8%
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:

Xenia

Reviewed by:

Cady

Approved by General manager:

David

Date: Jul 24, 2019

Date: Jul 29, 2022

Date: Jul 29, 2022

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