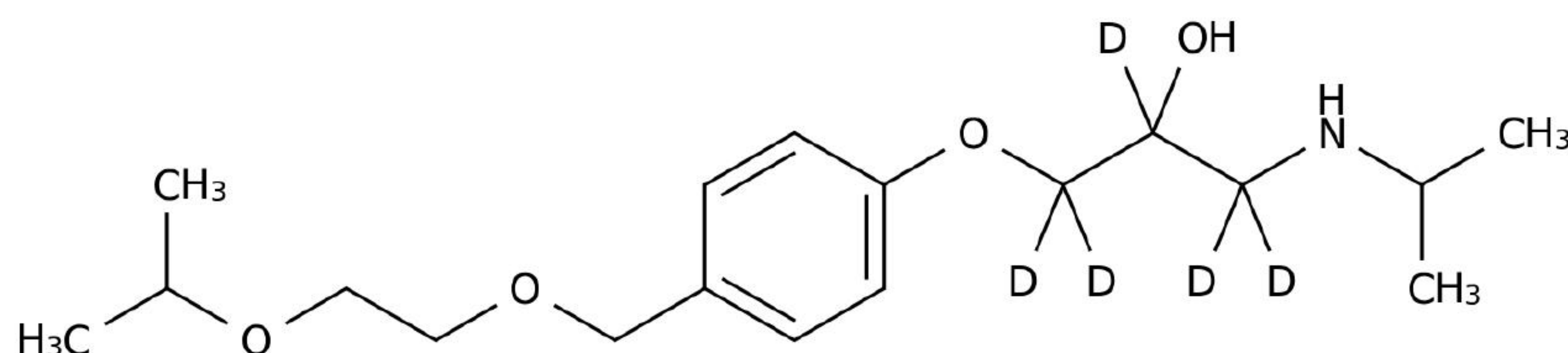


Certificate of Analysis

Reference Material

Product Name:	Bisoprolol-d5	Catalogue Number:	CCAD302948
Chemical Name:	N/A	Lot Number:	0418-RD-0067
CAS Number:	1189881-87-5	Expiry Date:	Mar 13, 2028
Molecular Formula:	C ₁₈ H ₂₆ D ₅ NO ₄	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	330.47		

Chemical Structure:



Test Items

Appearance

Identification

Chemical Purity

Isotopic Purity

Uncertainty

Method

Visual inspection

LCMS&HNMR

HPLC

Results

Clear Yellow Oil

Confirmed

92.7%

98.4%

±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

Aporoved by General manager:

David

Date: Mar 11, 2021

Date: Apr 26, 2022

Date: Apr 26, 2022

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