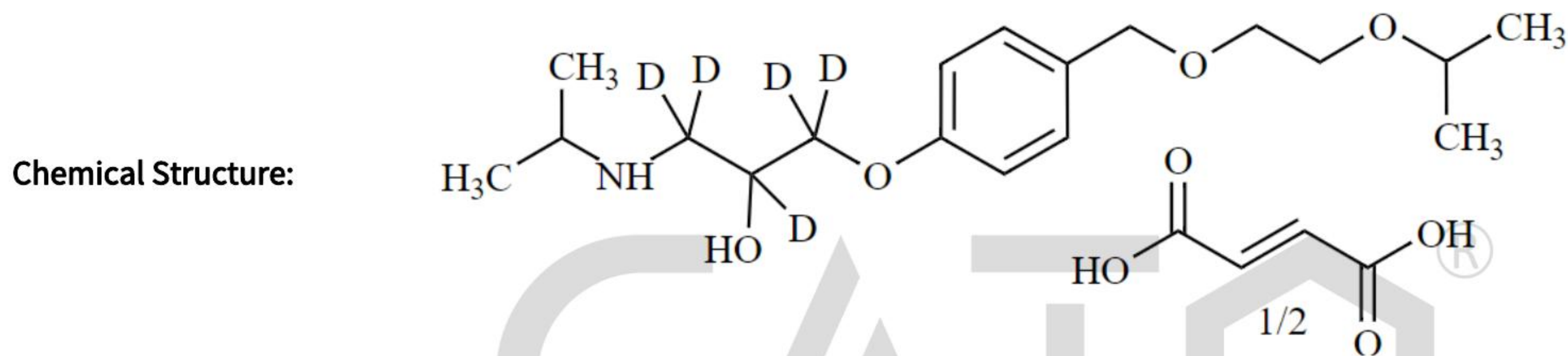


Certificate of Analysis

Reference Material & Standard

Product Name:	Bisoprolol-d5 Hemifumarate	Catalogue Number:	C4X-124742
Synonyms:	N/A	Lot Number:	0929-RF-0006
CAS Number:	N/A	Expiry Date:	Apr 06, 2027
Molecular Formula:	C ₁₈ H ₂₆ D ₅ NO ₄ 0.5 C ₄ H ₄ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	330.48 0.5*116.07		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	100.0%
Isotopic Purity		98.2%
Assay	qNMR	98.5%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Sep 30, 2024

Date: Sep 30, 2024

Date: Sep 30, 2024

