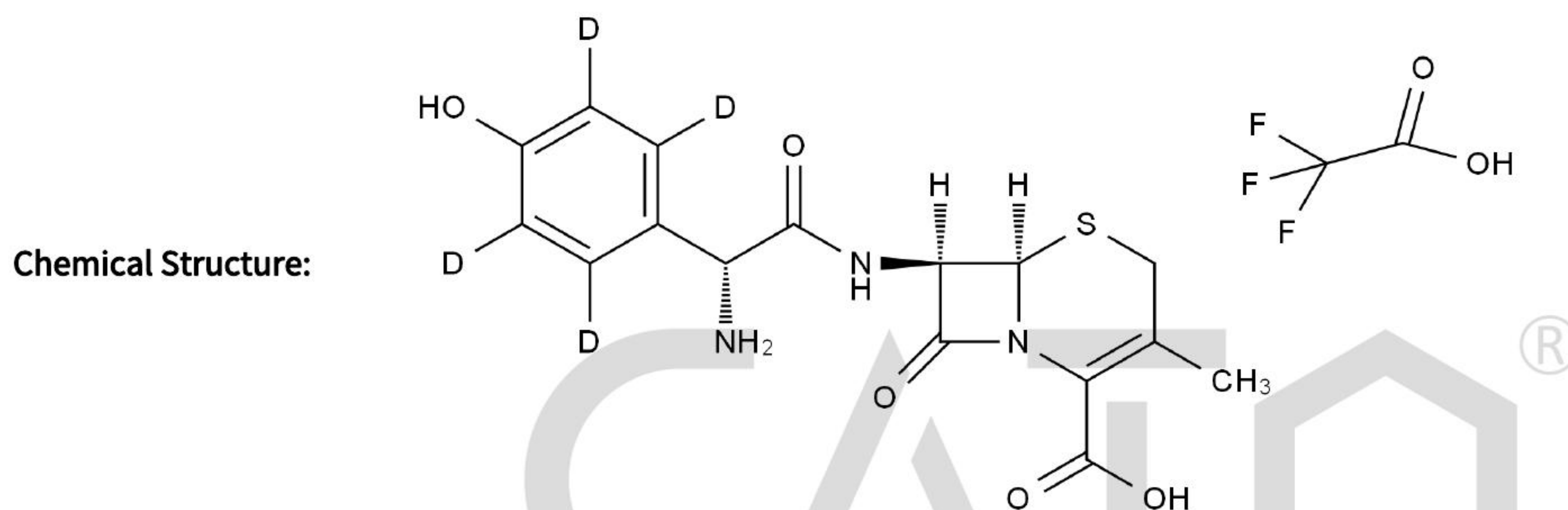


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefadroxil Impurity 30	Catalogue Number:	C4X-122430
Synonyms:	N/A	Lot Number:	1010-RF-0013
CAS Number:	N/A	Expiry Date:	Aug 08, 2027
Molecular Formula:	C ₁₆ H ₁₃ D ₄ N ₃ O ₅ S C ₂ H ₃ F ₃ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	367.41 114.02		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	99.1034%
Isotopic Purity		98.0%
Water Content	Karl Fischer	5.80%
Residual Solvents	NMR	Not detected in NMR
Optical Rotation		[α] _D ^{25.0} (c=0.34, CH ₃ OH): +105.2°
Assay		93.4%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Oct 12, 2024

Date: Oct 12, 2024

Date: Oct 12, 2024

