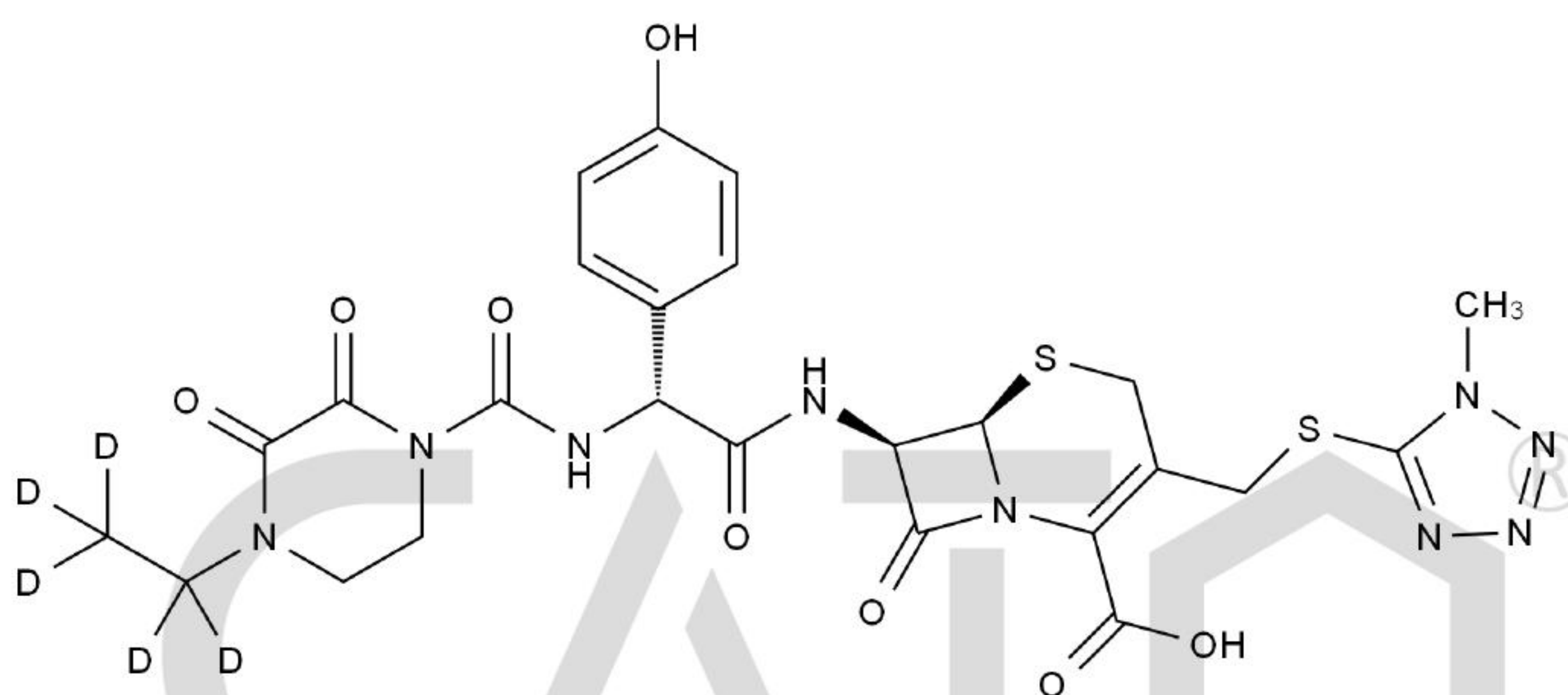


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefoperazone-d5	Catalogue Number:	C4X-114936
Synonyms:	N/A	Lot Number:	0321-RF-0010
CAS Number:	2410425-70-4	Expiry Date:	Jan 26, 2026
Molecular Formula:	C ₂₅ H ₂₂ D ₅ N ₉ O ₈ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	650.70		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Chemical Purity	HPLC	98.6%
Isotopic Purity		99.5%
Optical Rotation		[α] _D ^{25.0} (c=0.54,DMSO): -34.4°
Assay	qNMR	95.0%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General Manager:

David

Date: Mar 22, 2024

Date: Mar 25, 2024

Date: Mar 25, 2024

