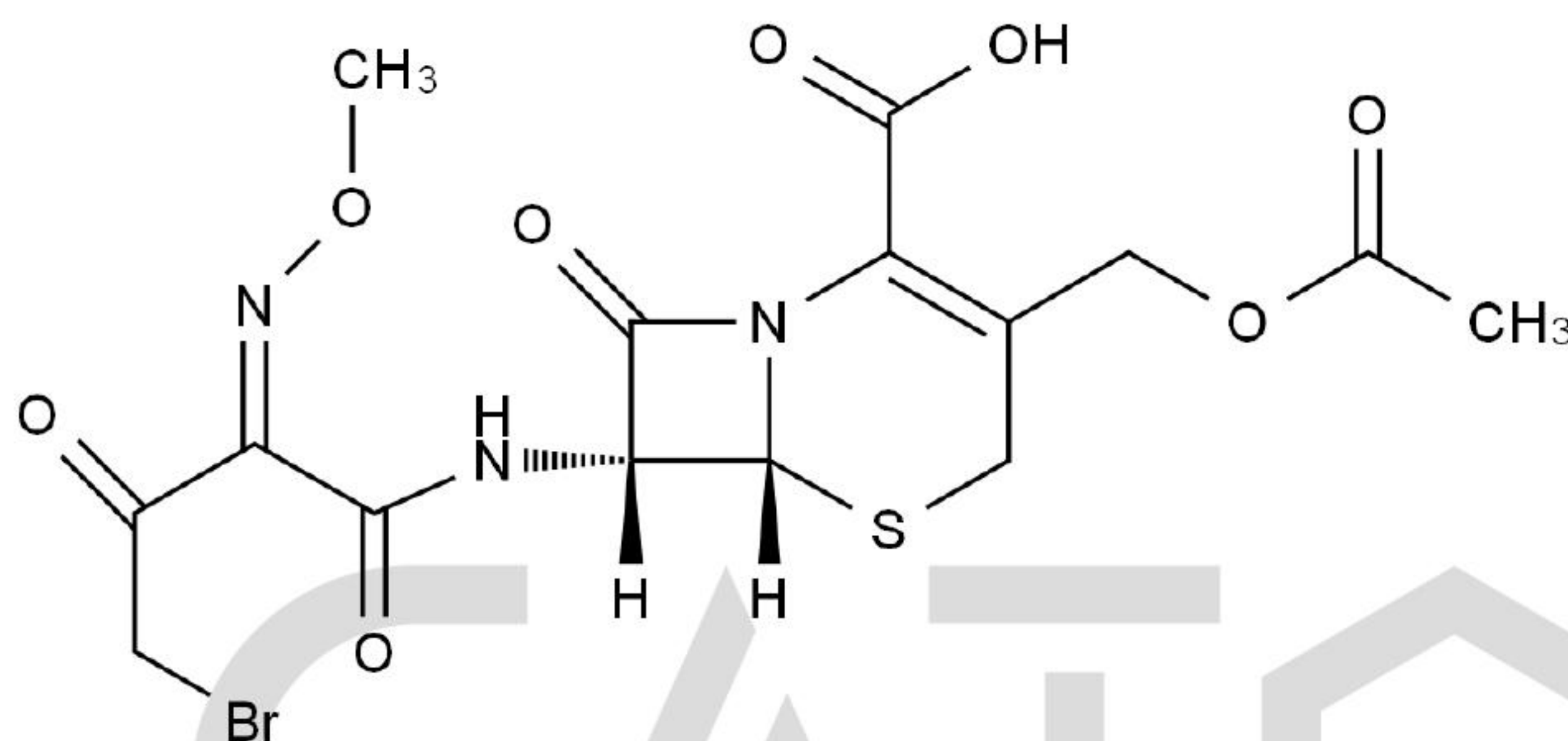


Certificate of Analysis

Reference Material

Product Name:	Cefotaxime Bromoacetyl analog	Catalogue Number:	C4X-120112
Chemical Name:	Bromoacetyl analog	Lot Number:	0817-RE-0037
CAS Number:	83305-12-8	Expiry Date:	Aug 13, 2026
Molecular Formula:	C ₁₅ H ₁₆ BrN ₃ O ₈ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	478.27		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.2%
Optical Rotation		[α] _D ^{25.0} (c=0.37, CH ₃ OH): +53.9°
Assay	qNMR	93.6%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Aug 14, 2023

Date: Aug 21, 2023

Date: Aug 21, 2023

