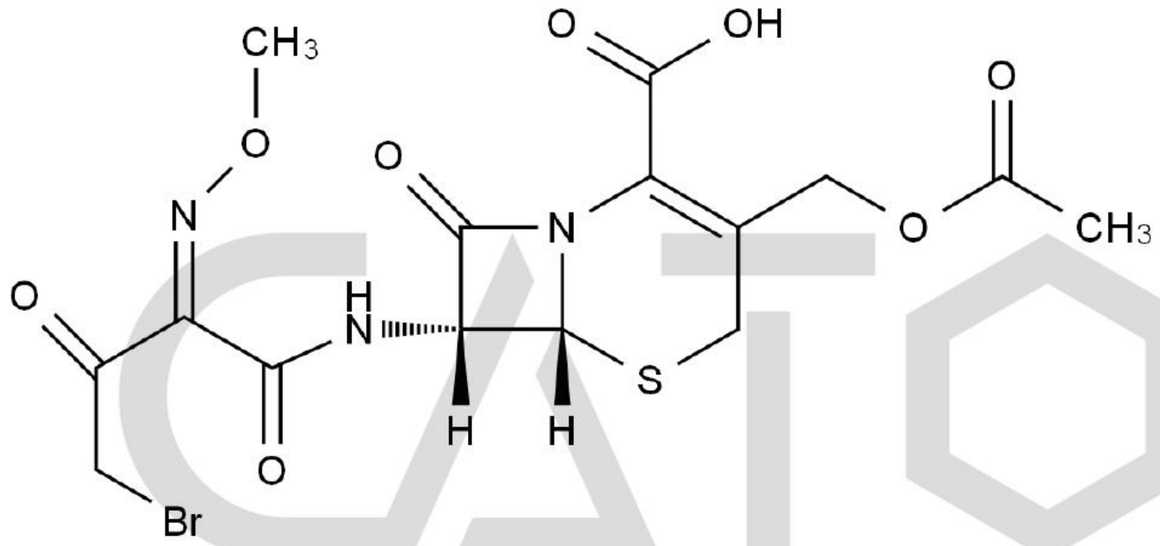
Certificate of Analysis

Reference Material & Standard

Product Name:	Cefotaxime Bromoacetyl analog	**Catalogue Number:**	C4X-120112
Synonyms:	Bromoacetyl analog	**Lot Number:**	1118-RH-0003
CAS Number:	83305-12-8	**Expiry Date:**	Nov 03, 2030
Molecular Formula:	$C_{15}H_{16}BrN_3O_8S$	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	478.27	**Shipping Condition:**	Shipping at Room Temperature
		Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.1%
Residual Solvents	NMR	0.2% acetic acid and 0.2% acetonitrile
Specific Rotation		[α]D25.0(C=0.37, CH3OH): +53.9°
Assay	qNMR	88.9%

CATO Research Chemicals Inc.

Signature:

Prepared by: Reviewed by: Approved by General Manager:

Date: Nov 19, 2026 Date: Nov 19, 2026 Date: Nov 19, 2026