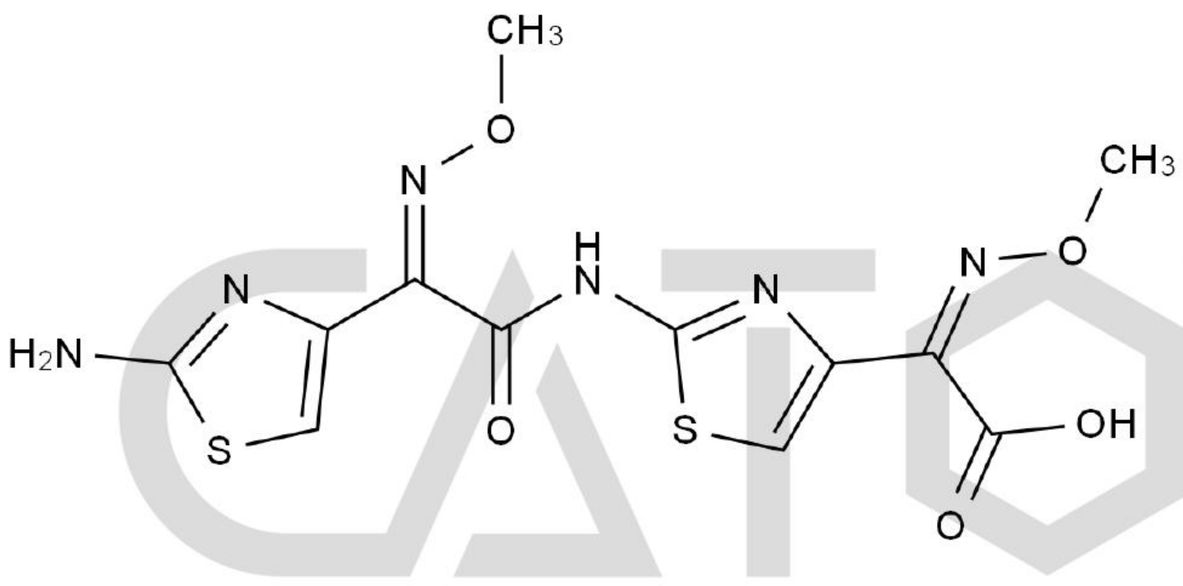
Certificate of Analysis

Reference Material & Standard

Product Name:	Cefotaxime Impurity 33	**Catalogue Number:**	C4X-120133
Synonyms:	N/A	**Lot Number:**	0112-RH-0058
CAS Number:	N/A	**Expiry Date:**	Oct 28, 2028
Molecular Formula:	$C_{12}H_{12}N_6O_5S_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	384.39	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	97.7%
Assay	qNMR	93.4%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koji Date: Nov 16, 2026

Reviewed by: Lisa Date: Nov 16, 2026

Approved by General Manager: David Date: Nov 16, 2026

CATO Research Chemicals Inc.