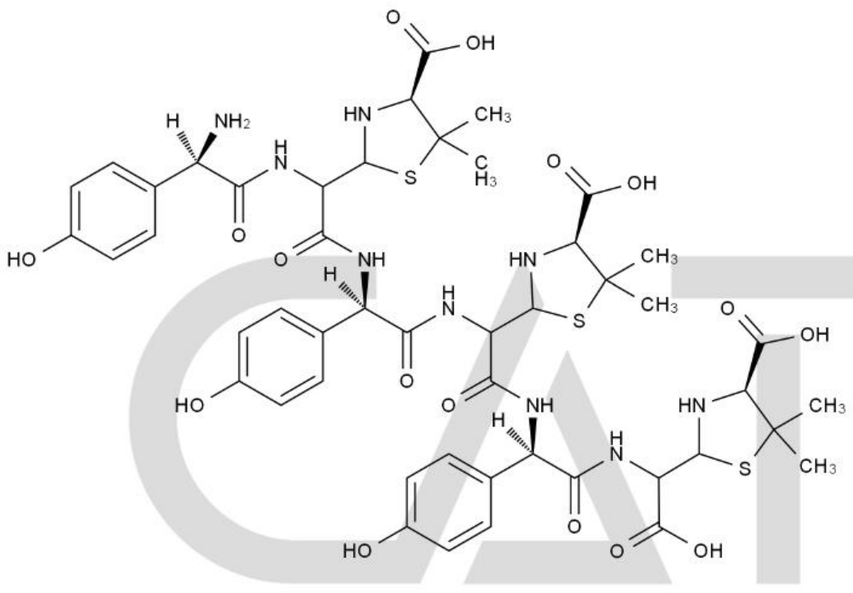
Certificate of Analysis

Reference Material & Standard

Product Name:	Amoxicillin Impurity 33	**Catalogue Number:**	C4X-114833
Synonyms:	N/A	**Lot Number:**	0529-RH-0005
CAS Number:	N/A	**Expiry Date:**	Oct 19, 2029
Molecular Formula:	$C_{48}H_{59}N_9O_{16}S_3$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	1114.23	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	93.3%
Assay	qNMR	89.2%

CATO Research Chemicals Inc.

Signature:

Prepared by: Koji Date: Oct 12, 2026

Reviewed by: Lisa Date: Oct 12, 2026

Approved by General Manager: David Date: Oct 12, 2026

CATO Research Chemicals Inc.