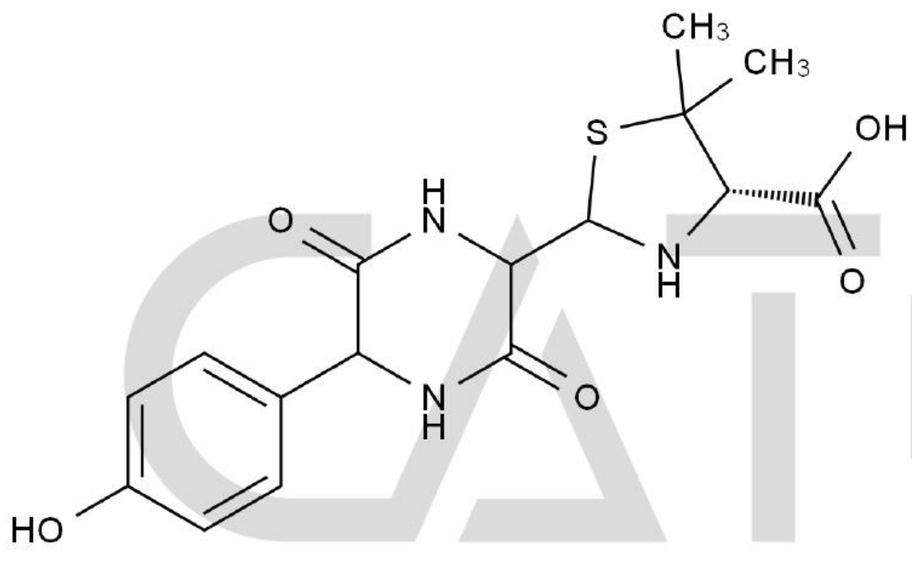
Certificate of Analysis

Reference Material & Standard

Product Name:	Amoxicillin EP Impurity C	**Catalogue Number:**	C4X-11481
Synonyms:	Amoxicillin Related Compound C;Amoxicillin Diketopiperazine	**Lot Number:**	0821-RH-0097
CAS Number:	2088961-37-7	**Expiry Date:**	Aug 20, 2030
Molecular Formula:	$C_{16}H_{19}N_3O_5S$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	365.40	**Shipping Condition:**	Shipping with Ice Packs

Chemical Structure:



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Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.5%
Assay	qNMR	90.3%

Signature:

Prepared by: Koji Date: Aug 24, 2026

Reviewed by: Lisa Date: Aug 24, 2026

Approved by General Manager: David Date: Aug 24, 2026

CATO Research Chemicals Inc.