Certificate of Analysis

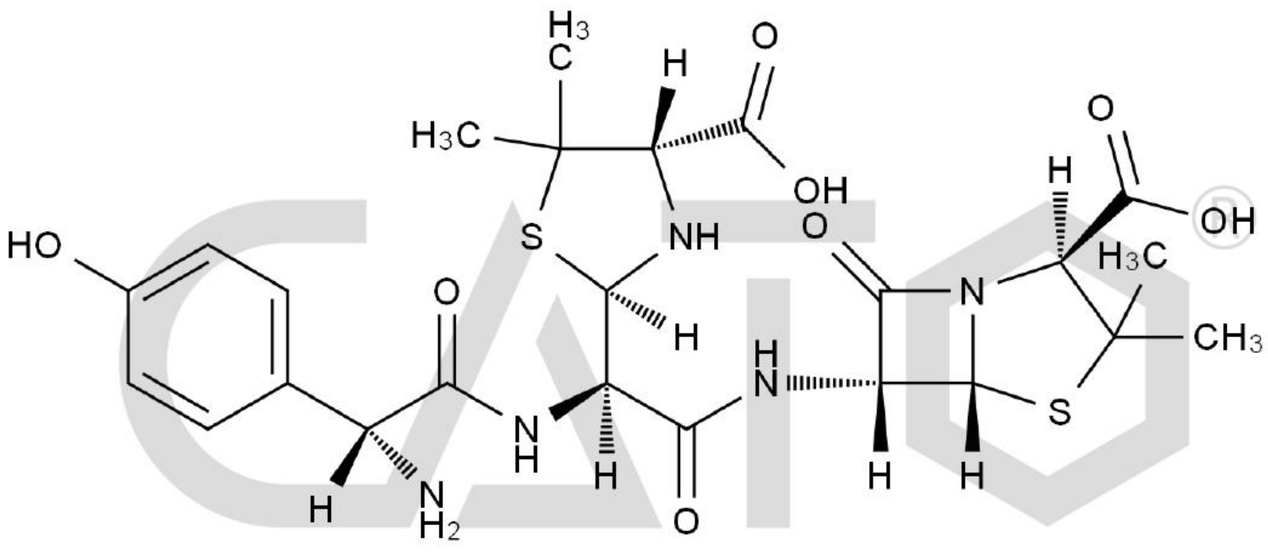
Reference Material & Standard

Product Name:	Amoxicillin related compound M	**Catalogue Number:**	C4X-114824
Synonyms:	Amoxicillin EP Impurity O	**Lot Number:**	0819-RH-0008
CAS Number:	N/A	**Expiry Date:**	Nov 23, 2029
Molecular Formula:	$C_{24}H_{31}N_5O_8S_2$	**Storage:**	-20°C±5°C Protected from light and Sealed
Molecular Weight:	581.66	**Shipping Condition:**	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	95.1%
Assay	qNMR	91.2%

CATO Research Chemicals Inc.

Signature:

Prepared by: Alice Date: Sep 24, 2026

Reviewed by: Koi Date: Sep 24, 2026

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

CATO Research Chemicals Inc.