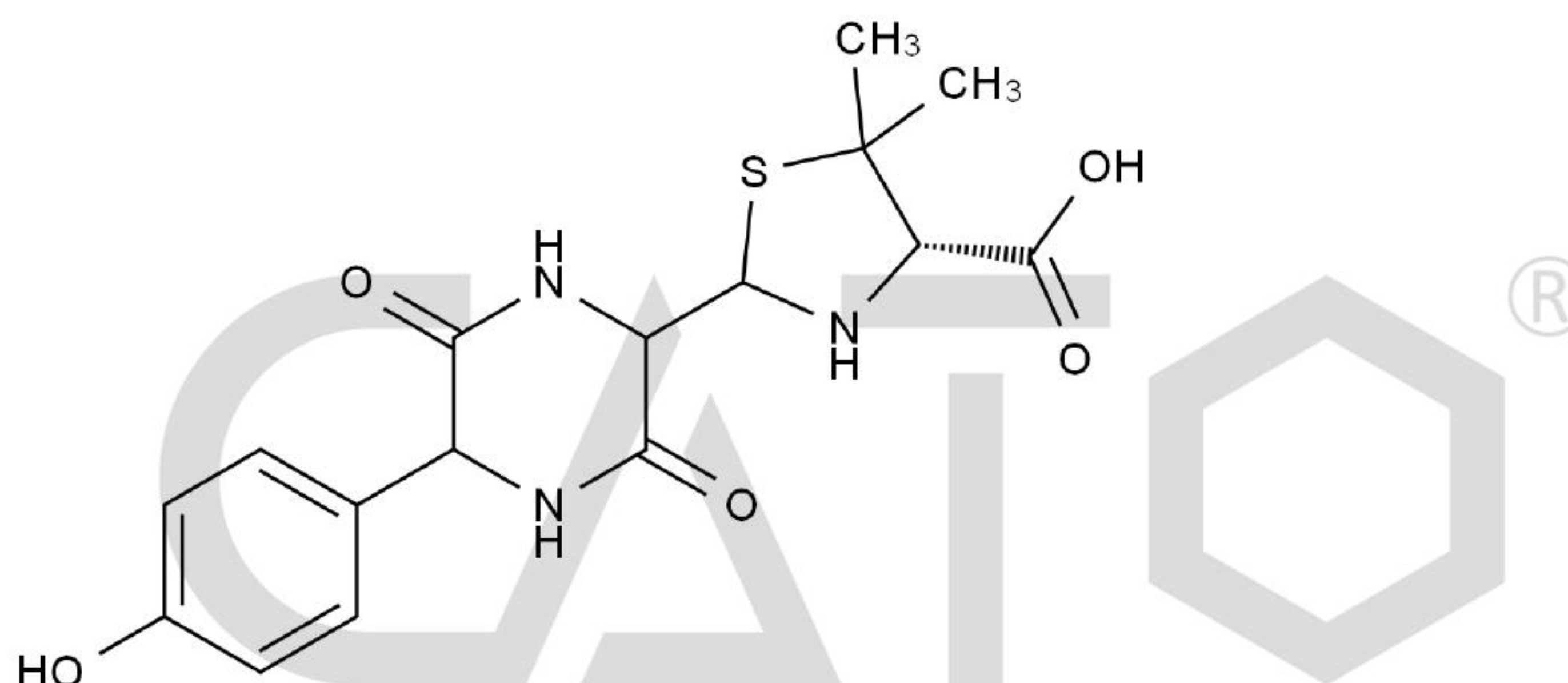


Certificate of Analysis

Reference Material & Standard

Product Name:	Amoxicillin EP Impurity C	Catalogue Number:	C4X-11481
Synonyms:	Amoxicillin Related Compound C; Amoxicillin Diketopiperazine	Lot Number:	0416-RF-0006
CAS Number:	2088961-37-7	Expiry Date:	Jul 12, 2030
Molecular Formula:	C ₁₆ H ₁₉ N ₃ O ₅ S	Storage:	-20°C ± 5°C Protected from light and Sealed
Molecular Weight:	365.40	Shipping Condition:	Shipping with Ice Packs
Solubility:	DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.224%
Loss on Drying	TGA	0.8419%
Assay		94.4%

Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 13, 2026

Date: Jul 13, 2026

Date: Jul 13, 2026



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