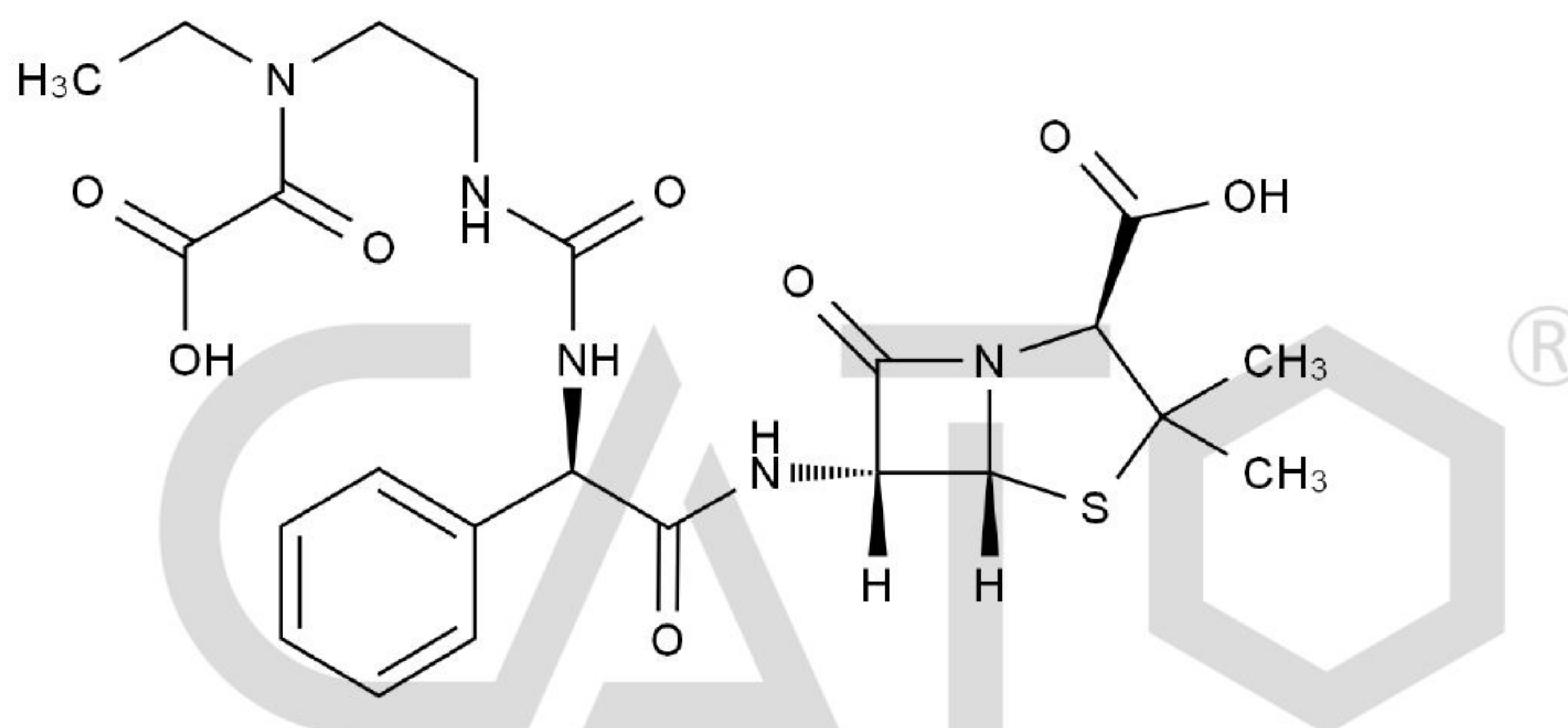


Certificate of Analysis

Reference Material & Standard

Product Name:	Piperacillin EP Impurity M	Catalogue Number:	C4X-173221
Synonyms:	N/A	Lot Number:	0426-RF-0004
CAS Number:	64844-70-8	Expiry Date:	Apr 24, 2027
Molecular Formula:	C ₂₃ H ₂₉ N ₅ O ₈ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	535.57	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.9%
Assay	qNMR	79.7%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Aug 29, 2024

Date: Aug 30, 2024

Date: Aug 30, 2024



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