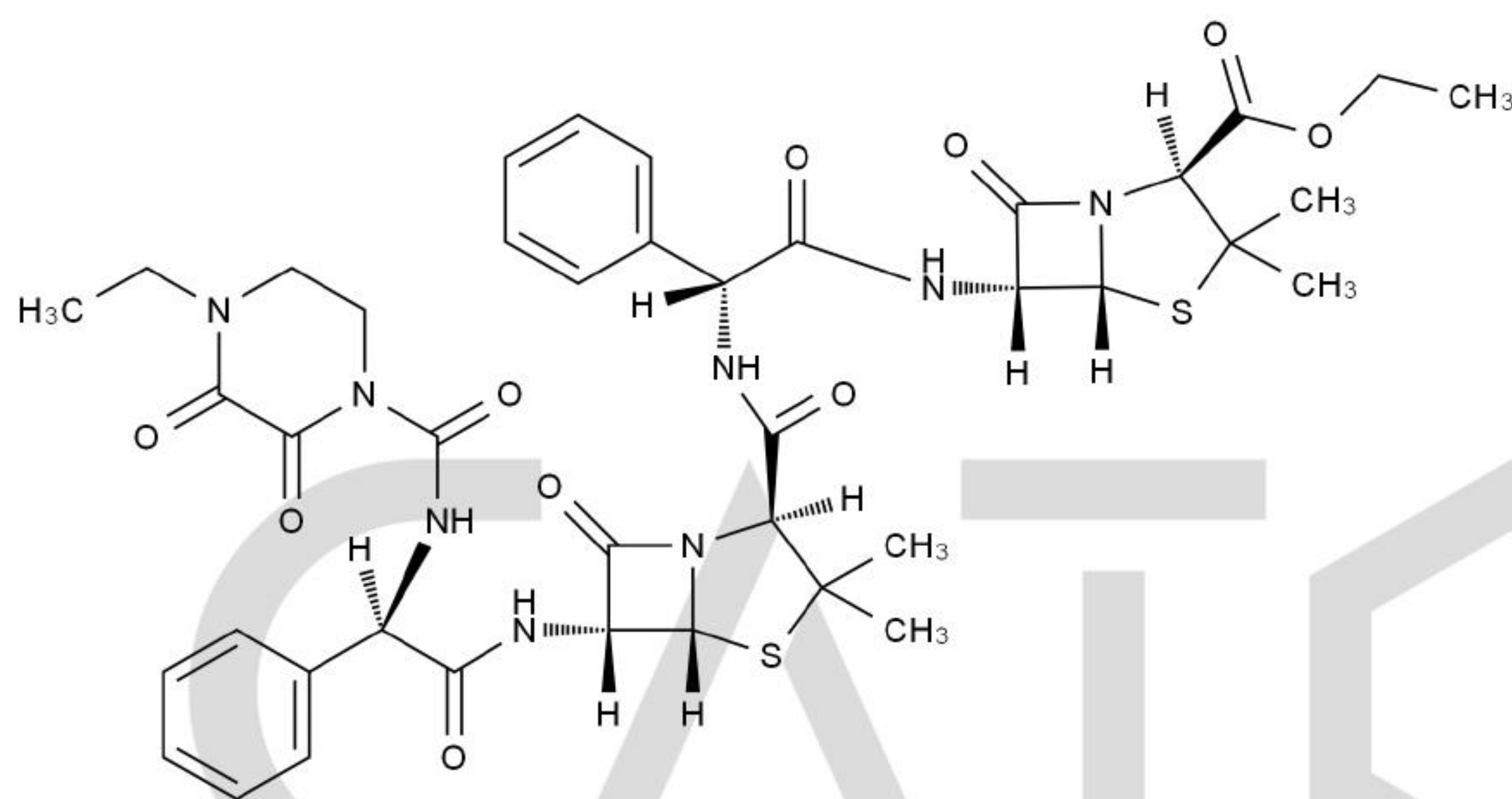


Certificate of Analysis

Reference Material & Standard

Product Name:	Piperacillin Impurity 28	Catalogue Number:	C4X-173228
Synonyms:	N/A	Lot Number:	0229-RF-0030
CAS Number:	N/A	Expiry Date:	Feb 28, 2026
Molecular Formula:	C ₄₁ H ₄₈ N ₈ O ₁₀ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	877.00		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.5%
Assay	qNMR	93.0%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Aporoved by General Manager:

David

Date: Feb 29, 2024

Date: Feb 29, 2024

Date: Feb 29, 2024

