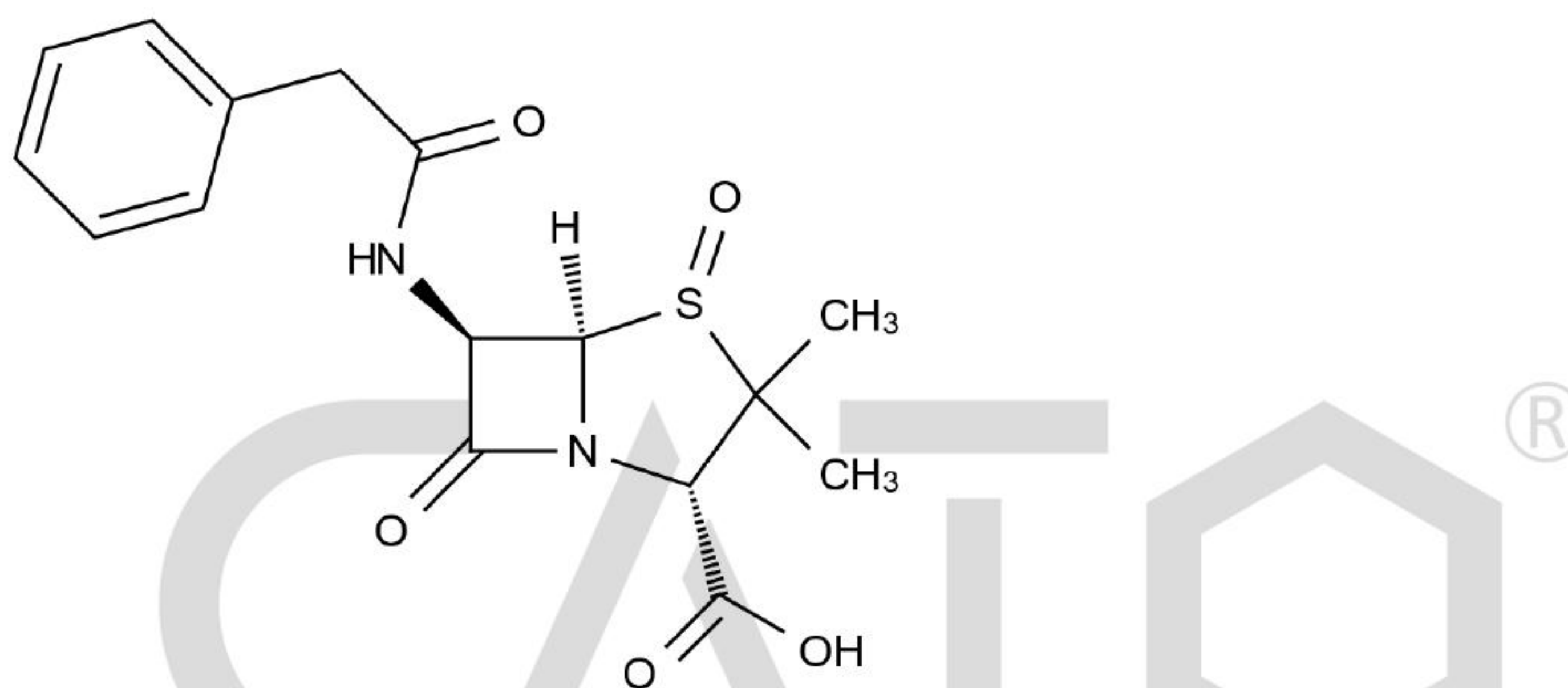


Certificate of Analysis

Reference Material & Standard

Product Name:	Benzylpenicillin Impurity 28	Catalogue Number:	C4X-189928
Synonyms:	N/A	Lot Number:	0122-RG-0101
CAS Number:	4052-54-4	Expiry Date:	Dec 16, 2027
Molecular Formula:	C ₁₆ H ₁₈ N ₂ O ₅ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	350.39		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	97.7%
Assay	qNMR	93.2%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jan 23, 2025

Date: Jan 23, 2025

Date: Jan 23, 2025

