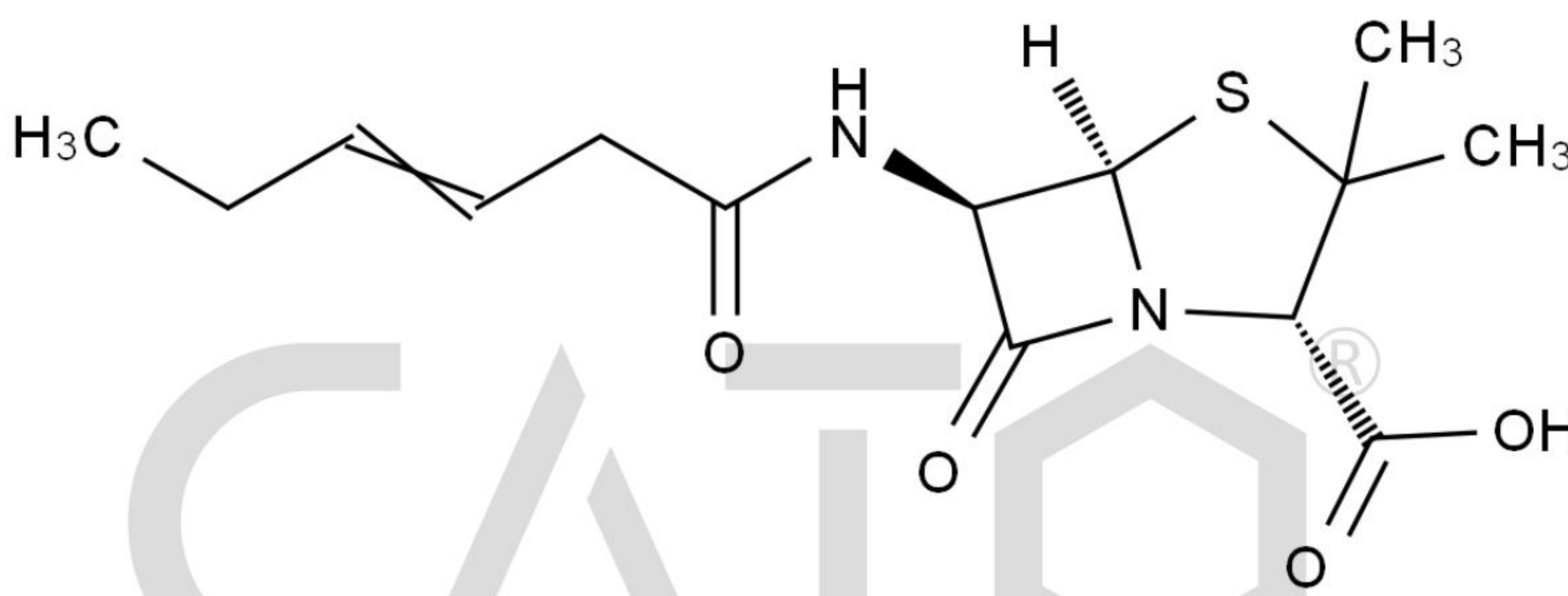


Certificate of Analysis

Reference Material & Standard

Product Name:	Benzylpenicillin Impurity 11	Catalogue Number:	C4X-189911
Synonyms:	N/A	Lot Number:	0314-RG-0051
CAS Number:	118-53-6	Expiry Date:	Dec 16, 2027
Molecular Formula:	C ₁₄ H ₂₀ N ₂ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	312.38		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	94.1%
Assay	qNMR	90.3%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Mar 19, 2025

Date: Mar 19, 2025

Date: Mar 19, 2025

