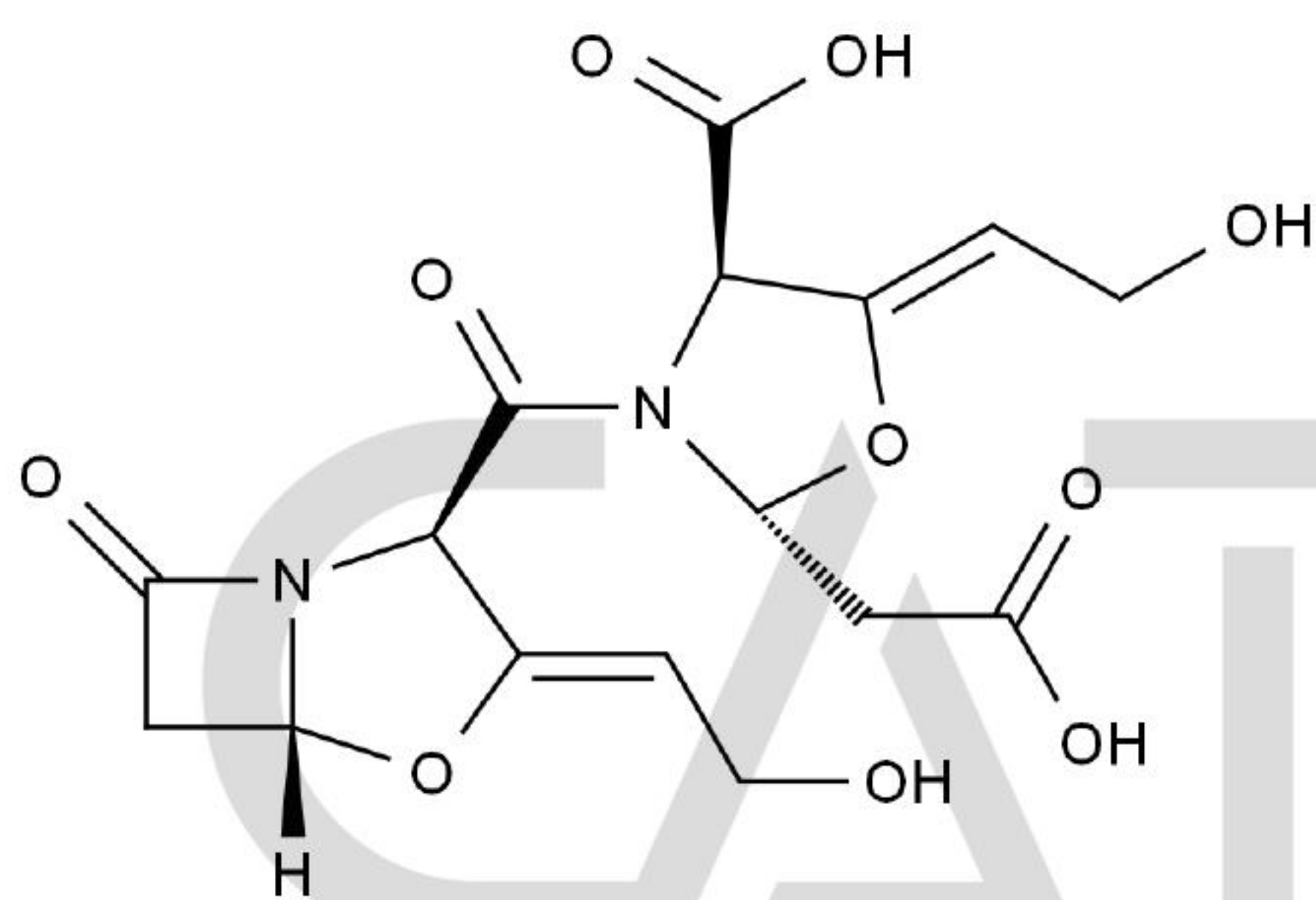


Certificate of Analysis

Reference Material & Standard

Product Name:	Clavulanate EP Impurity E	Catalogue Number:	C4X-114611
Synonyms:	N/A	Lot Number:	0820-RH-0068
CAS Number:	1260617-10-4	Expiry Date:	Sep 19, 2026
Molecular Formula:	C ₁₆ H ₁₈ N ₂ O ₁₀	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	398.32	Shipping Condition:	Shipping with Dry Ice

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	92.024%
Water Content	Karl Fischer	4.74%
Residual Solvents	NMR	Not detected in NMR
Assay		87.7%

Comment:

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

Assay (%) = (100%-Water Content-Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Reviewed by:

Approved by General Manager:

Date: Aug 20, 2026

Date: Aug 21, 2026

Date: Aug 21, 2026

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