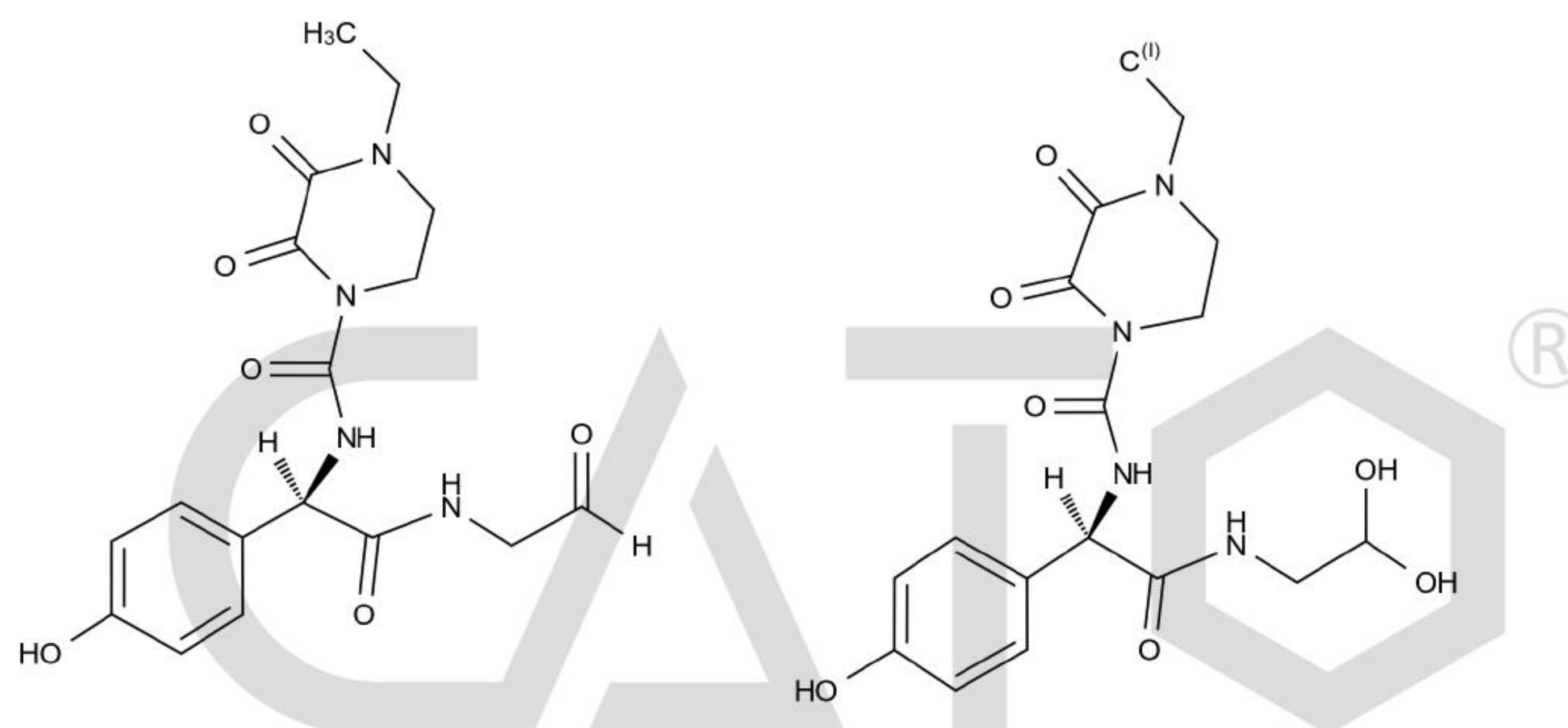


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefoperazone Impurity 50	Catalogue Number:	C4X-114950
Synonyms:	N/A	Lot Number:	0408-RG-0105
CAS Number:	N/A	Expiry Date:	Oct 15, 2026
Molecular Formula:	C ₁₇ H ₁₉ N ₄ O ₇ C ₁₇ H ₂₀ N ₄ O ₆	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	391.36 376.36	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	HRMS&HNMR	Confirmed
Purity	HPLC	95.42%
Loss on Drying	TGA	2.618%
Assay		92.9%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jun 17, 2025

Date: Jun 17, 2025

Date: Jun 17, 2025



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