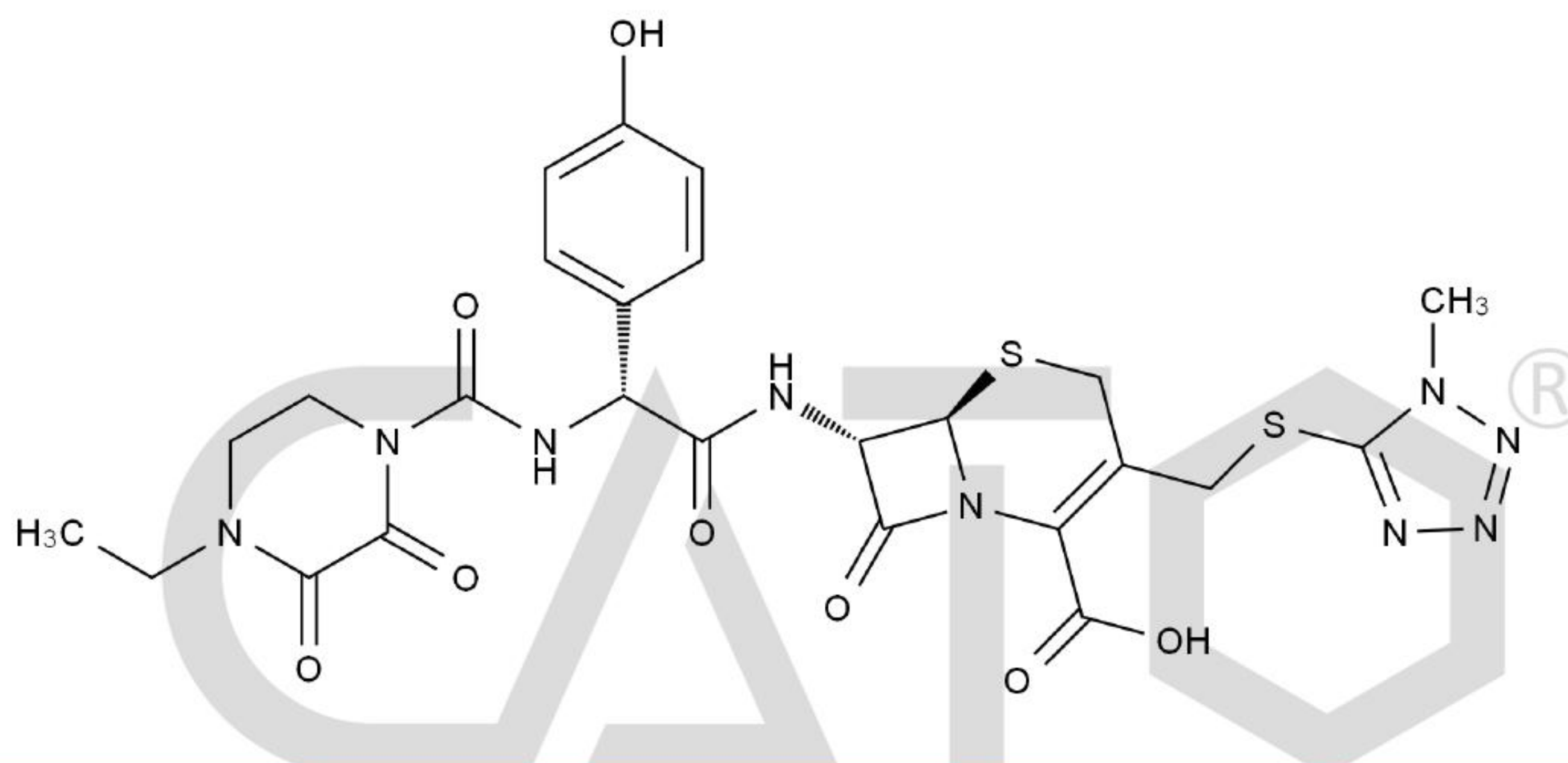


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefoperazone EP Impurity F	Catalogue Number:	C4X-11496
Synonyms:	N/A	Lot Number:	0403-RG-0038
CAS Number:	1315481-36-7	Expiry Date:	Apr 09, 2028
Molecular Formula:	C ₂₅ H ₂₇ N ₉ O ₈ S ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	645.67	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	96.892%
Loss on Drying	TGA	1.3296%
Assay		95.6%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jun 04, 2026

Date: Jun 04, 2026

Date: Jun 04, 2026



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