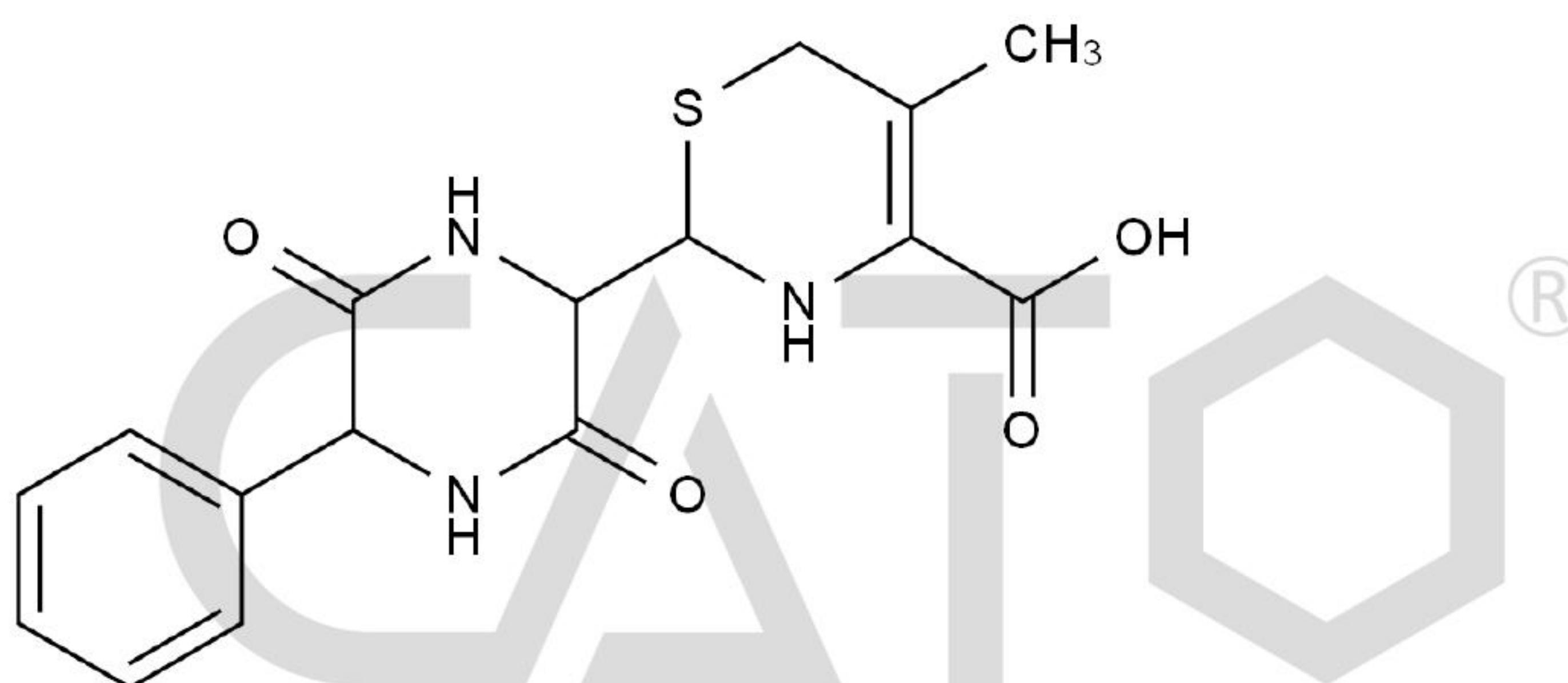


Certificate of Analysis

Reference Material & Standard

Product Name:	Cephalexin Impurity 7 (Mixture Of Isomers)	Catalogue Number:	C4X-12617
Synonyms:	N/A	Lot Number:	0610-RG-0079
CAS Number:	59865-11-1	Expiry Date:	Feb 04, 2027
Molecular Formula:	C ₁₆ H ₁₇ N ₃ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	347.39	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	98.171%
Residue on Ignition	TGA	3.1478%
Loss On Drying	TGA	2.4680%
Assay		92.7%

Comment:

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

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

Residue on Ignition and Loss On Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Feb 05, 2026

Date: Feb 05, 2026

Date: Feb 05, 2026



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