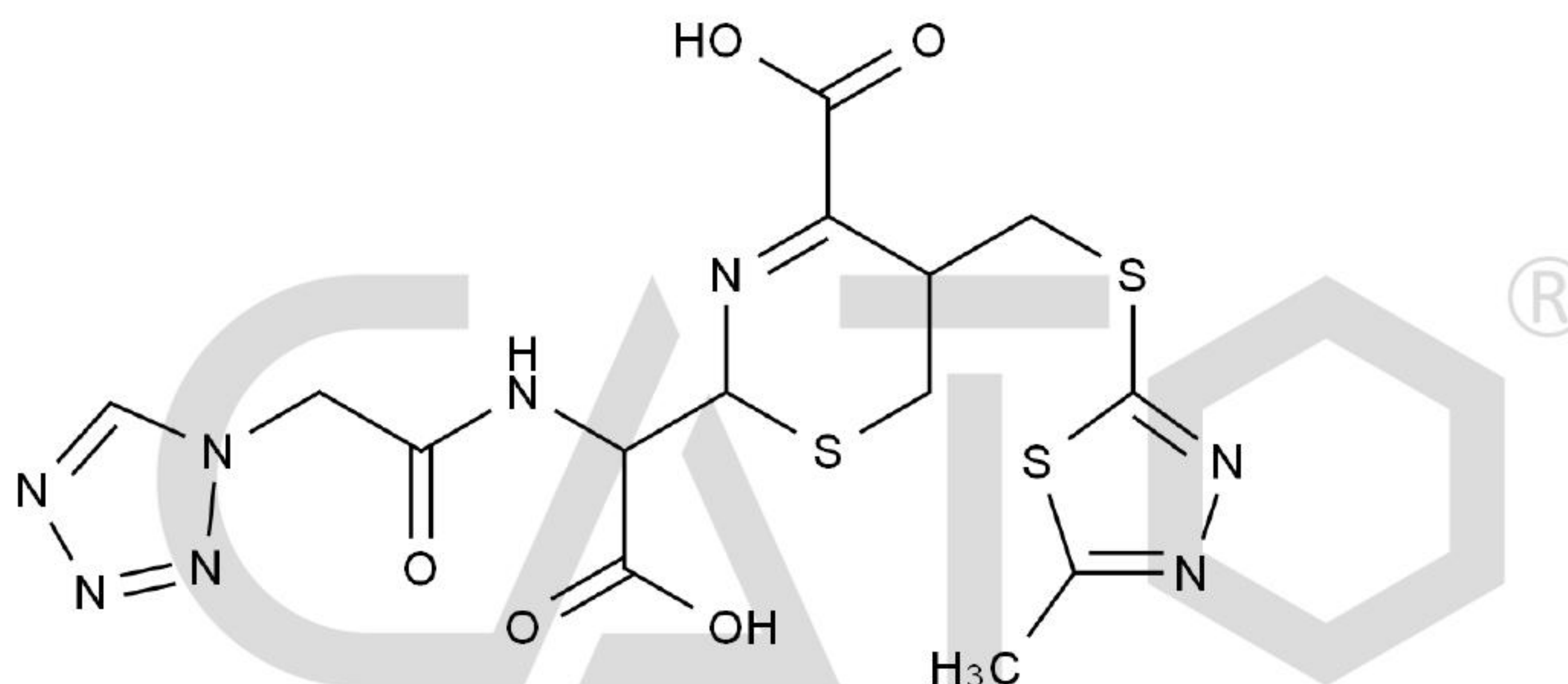


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefazolin EP Impurity I (Cefazolin USP RC L)	Catalogue Number:	C4X-157727
Synonyms:	Cefazoloic Acid	Lot Number:	0408-RG-0093
CAS Number:	1675244-99-1	Expiry Date:	Apr 06, 2028
Molecular Formula:	C ₁₄ H ₁₆ N ₈ O ₅ S ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	472.52	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	95.19%
Residue on Ignition	TGA	1.9862%
Loss on Drying	TGA	2.2892%
Assay		91.1%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 12, 2026

Date: May 12, 2026

Date: May 12, 2026



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

