

Certificate of Analysis

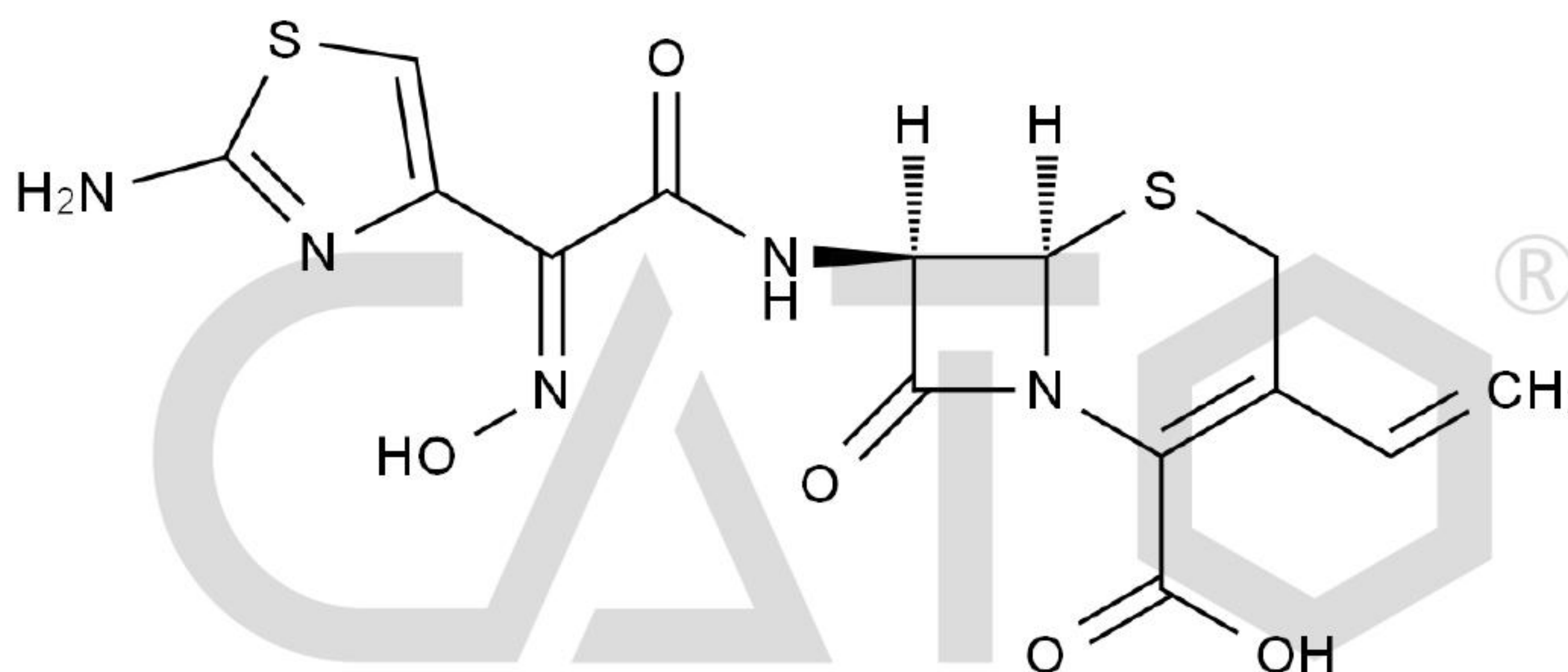
Reference Material & Standard

Product Name:	Cefdinir CP Impurity R	Catalogue Number:	C4X-121018
Synonyms:	E-Cefdinir	Lot Number:	0912-RG-0019
CAS Number:	178601-88-2	Expiry Date:	Sep 11, 2029
Molecular Formula:	C ₁₄ H ₁₃ N ₅ O ₅ S ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	395.41		

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.58%
Residue on Ignition	TGA	0.2773%
Loss On Drying	TGA	3.5799%
Assay		92.9%

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: Sep 16, 2025

Date: Sep 17, 2025

Date: Sep 17, 2025



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>

