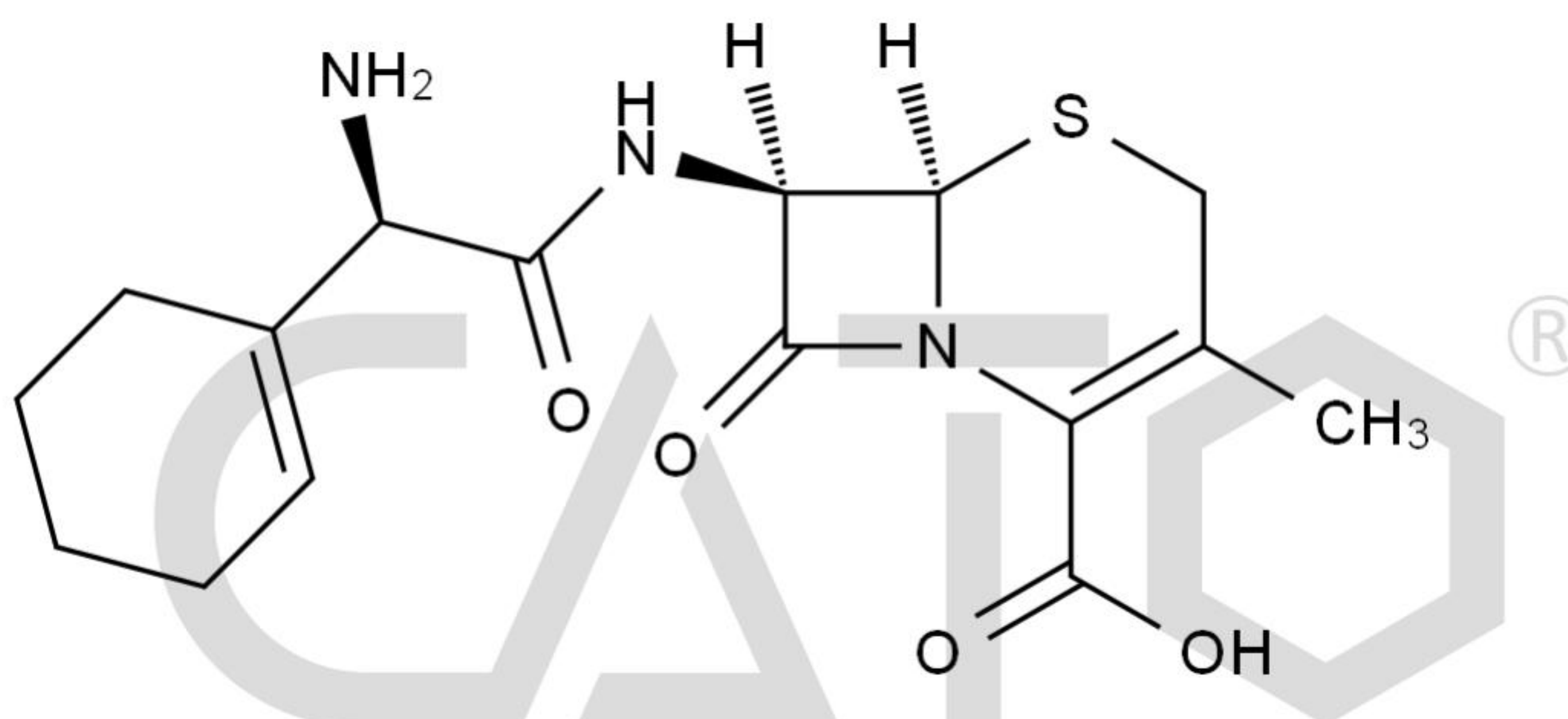


Certificate of Analysis

Reference Material & Standard

Product Name:	4,5-Dihydro Cefradine Impurity	Catalogue Number:	C4X-12154
Synonyms:	N/A	Lot Number:	0114-RH-0068
CAS Number:	37051-00-6	Expiry Date:	Jan 11, 2030
Molecular Formula:	C ₁₆ H ₂₁ N ₃ O ₄ S	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	351.42	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.457%
Residue on Ignition	TGA	1.0813%
Loss On Drying	TGA	2.6254%
Assay		91.9%

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: Jan 21, 2026

Date: Jan 21, 2026

Date: Jan 21, 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>

