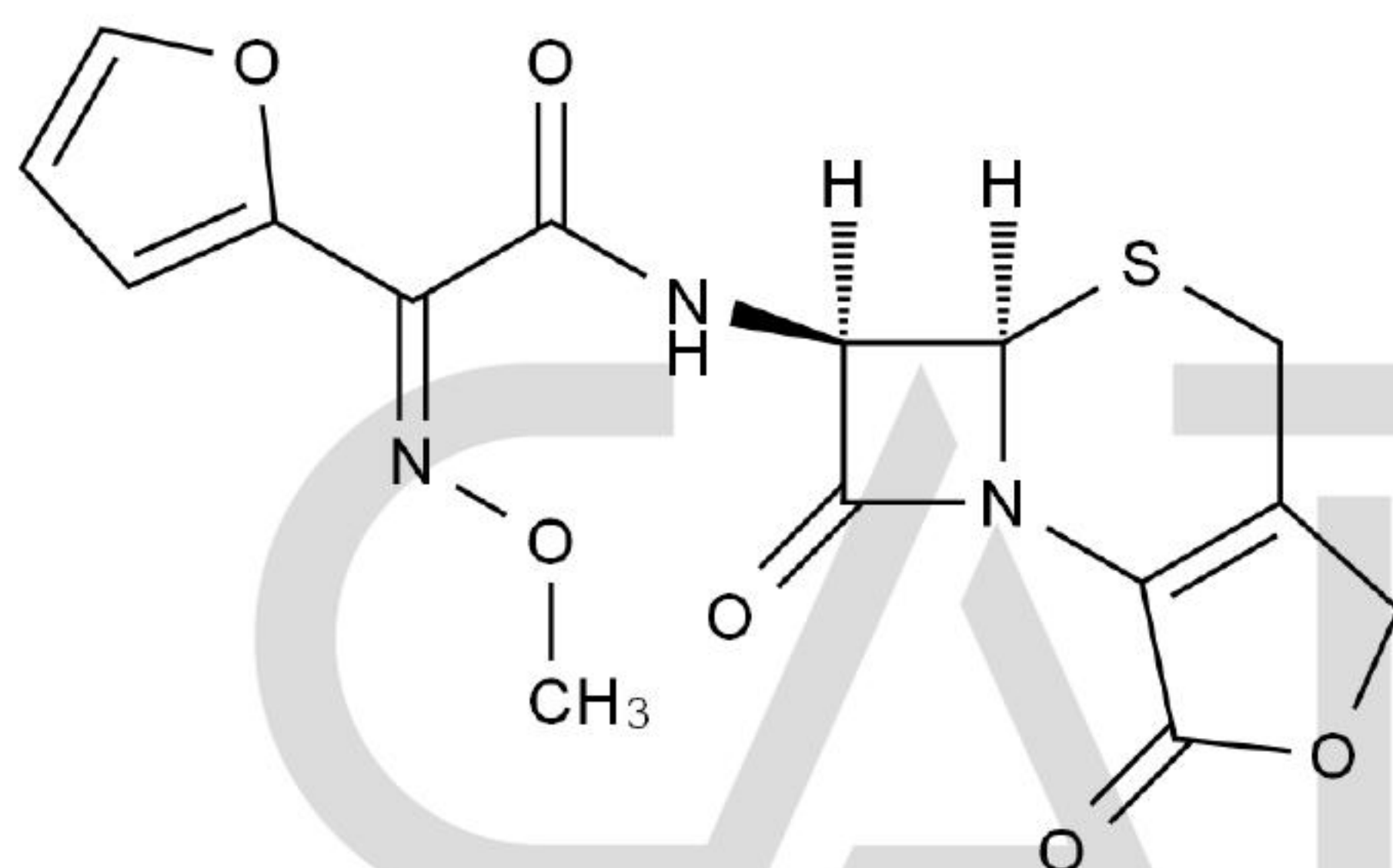


Certificate of Analysis

Reference Material & Standard

Product Name:	Cefuroxime Sodium EP Impurity H(Cefuroxime Axetil EP Impurity E)	Catalogue Number:	C4X-12458
Synonyms:	(2Z)-N-[(5aR,6R)-1,7-Dioxo-1,4,6,7-tetrahydro-3H,5aH-azeto[2,1-b]furo[3,4-d][1,3]thiazin-6-yl]-2-(2-furyl)-2-(methoxyimino)acetamide	Lot Number:	0114-RH-0061
CAS Number:	947723-87-7	Expiry Date:	Jan 21, 2030
Molecular Formula:	C ₁₅ H ₁₃ N ₃ O ₆ S	Storage:	-20°C±5°C Sealed
Molecular Weight:	363.35	Shipping Condition:	Shipping with Ice Packs
Solubility:	Soluble in Acetonitrile and DMSO		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&IR&CNMR&HNMR	Confirmed
Purity	HPLC	99.600%
Residue on Ignition	TGA	0.5925%
Loss On Drying	TGA	0.0763%
Assay	qNMR	97.9%
Assay	Mass Balance	98.9%

Comment:

- The retest date of this product is Jan 21, 2029.
- The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Residue on Ignition} - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$$
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:

Alice

Approved by General Manager:

David

Date: Jan 22, 2026

Date: Jan 22, 2026

Date: Jan 22, 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>

