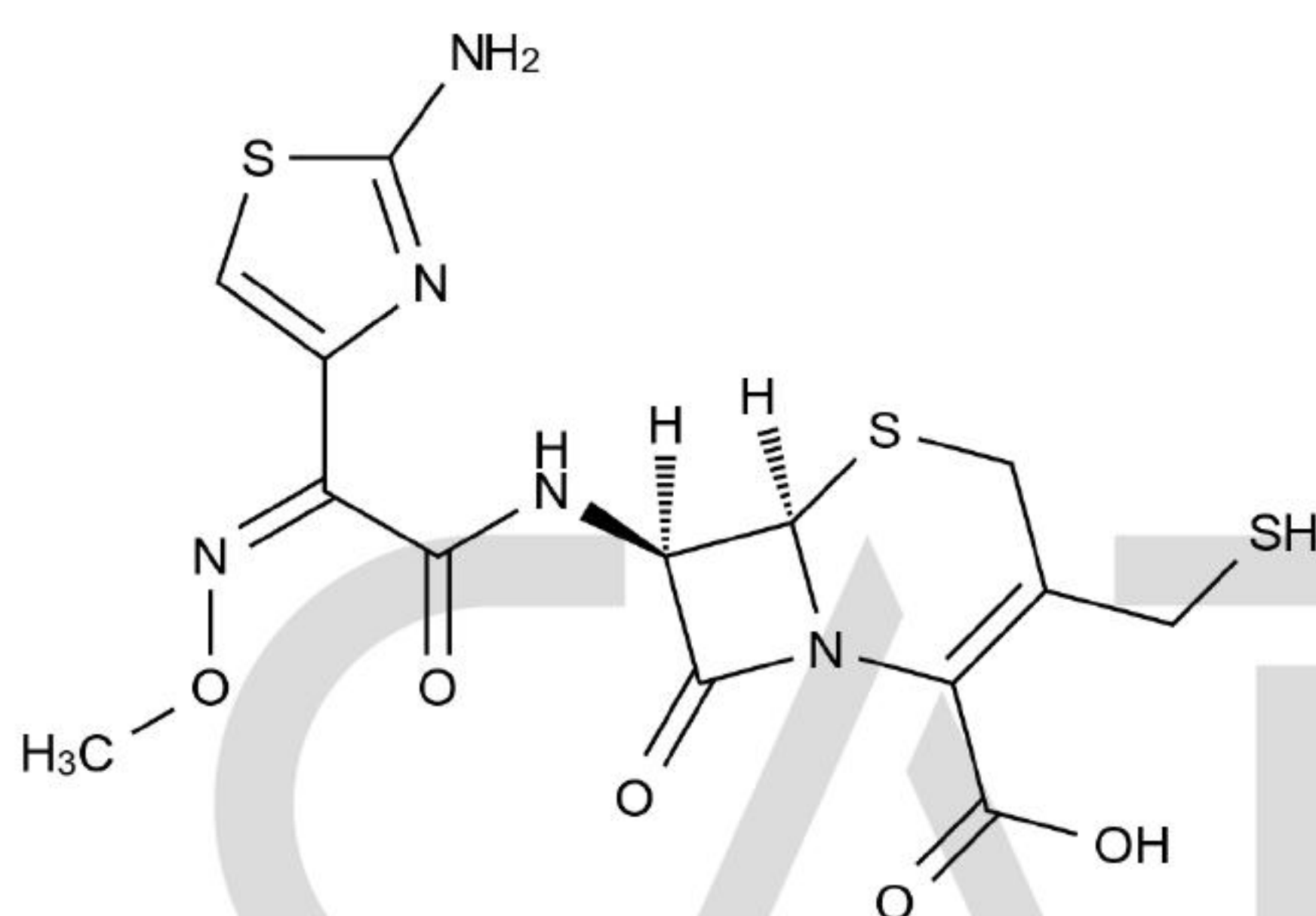


Certificate of Analysis

Reference Material & Standard

Product Name:	Desfuroyl Ceftiofur	Catalogue Number:	CCAD300713
Synonyms:	N/A	Lot Number:	0326-RG-0063
CAS Number:	120882-22-6	Expiry Date:	Mar 23, 2028
Molecular Formula:	C ₁₄ H ₁₅ N ₅ O ₅ S ₃	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	429.49		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	98.1%
Assay	qNMR	94.5%
Uncertainty		±2.0%

Comment:

1. Assay was determined by quantitative ¹H-NMR.
2. The uncertainty values are the expanded uncertainty and represent an estimated standard deviation equal to the positive square root of the total variation of the uncertainty of components. A normal distribution is assumed and a coverage factor of K=2 is chosen using approximately a 95% confidence level.

Signature:

Prepared by:

Lisa

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Mar 28, 2025

Date: Mar 28, 2025

Date: Mar 28, 2025

