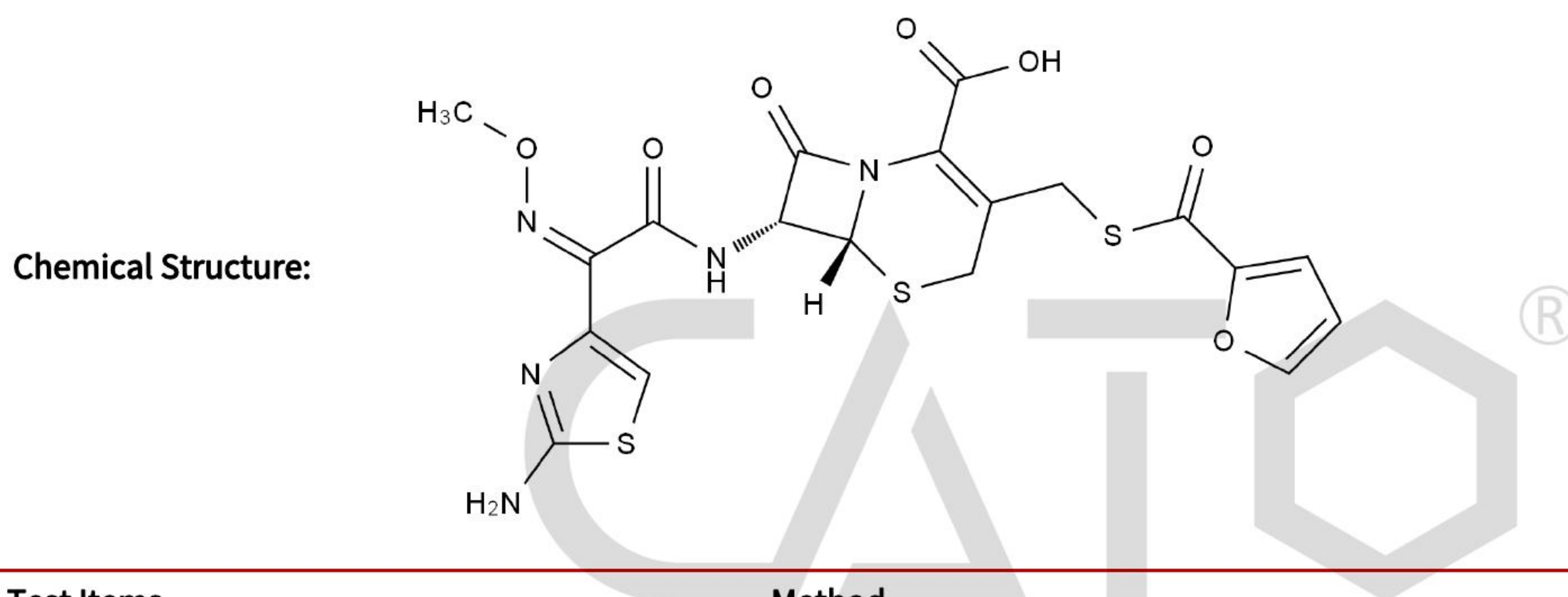


Certificate of Analysis

Reference Material & Standard

Product Name:	Ceftiofur	Catalogue Number:	CCAD300119
Synonyms:	N/A	Lot Number:	0818-RG-0138
CAS Number:	80370-57-6	Expiry Date:	Aug 17, 2029
Molecular Formula:	C19H17N5O7S3	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	523.56		



Test Items	Method	Results
Appearance	Visual inspection	Light Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	96.457%
Loss On Drying	TGA	0.6286%
Assay		95.9%
Uncertainty		±0.7%

Comment:

1. The calculation of the 100% method follows the formula (calculated on the non-dried basis):

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

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

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:

Nice

Reviewed by:

Hin lam

Approved by General Manager:

David

Date: Aug 18, 2025

Date: Aug 19, 2025

Date: Aug 19, 2025

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

Tel: +86-20-81960175

Fax: +86-20-81717260

Email: supports@cato-chem.com

Web: [Https://www.cato-chem.com](https://www.cato-chem.com)

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