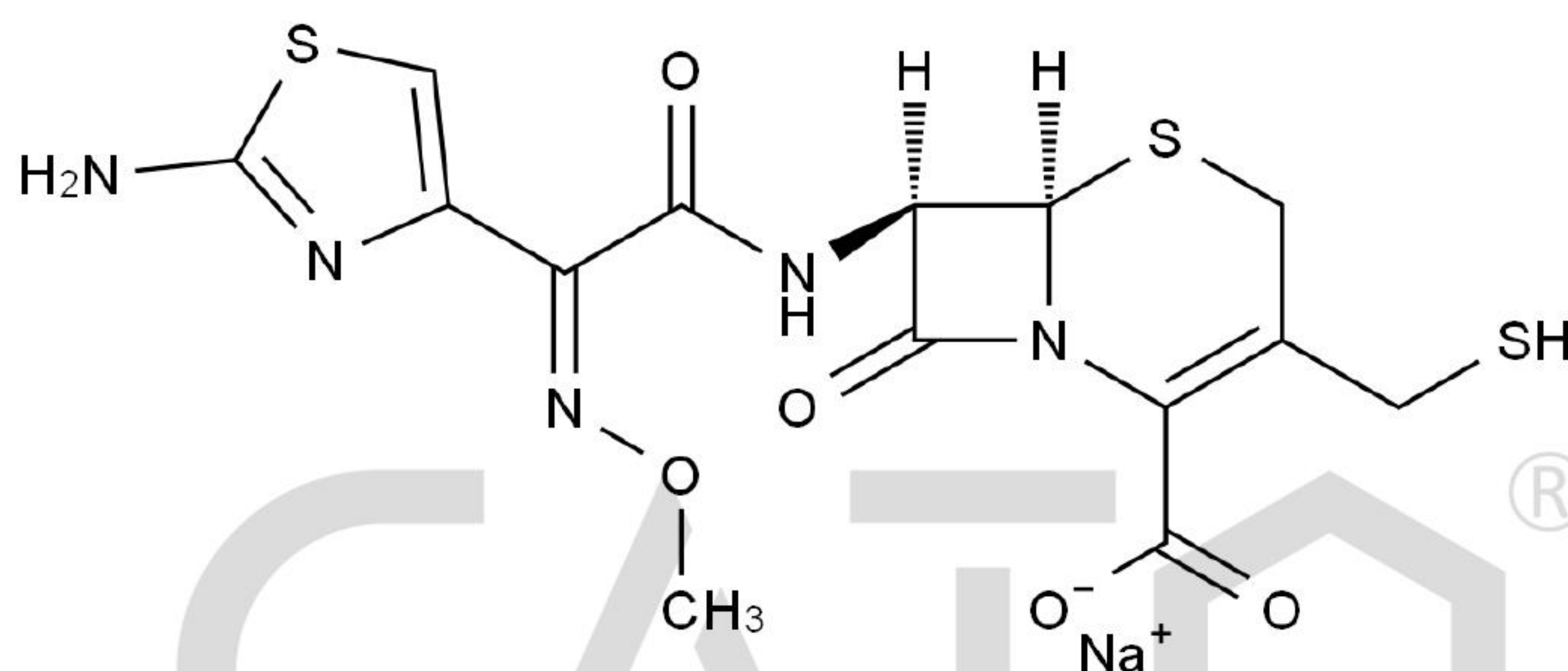


Certificate of Analysis

Reference Material

Product Name:	Desfuroyl Ceftiofur Sodium Salt	Catalogue Number:	C4X-15811
Chemical Name:	N/A	Lot Number:	0606-RD-0005
CAS Number:	120882-22-6 (free acid)	Expiry Date:	Nov 07, 2023
Molecular Formula:	C ₁₄ H ₁₄ N ₅ O ₅ S ₃ Na	Storage:	-80°C±5°C Protected from light and Sealed
Molecular Weight:	428.49 22.99		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	96.0%
Residual Solvents	NMR	0.1% acetonitrile
Optical Rotation		[α] _D ²⁰ (c=0.37, H ₂ O): +42.8°
Assay	qNMR	90.5%

Comment:

Assay was determined by quantitative ¹H-NMR.

Signature:

Prepared by:

Hinlam

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Jun 08, 2022

Date: Nov 09, 2022

Date: Nov 09, 2022

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