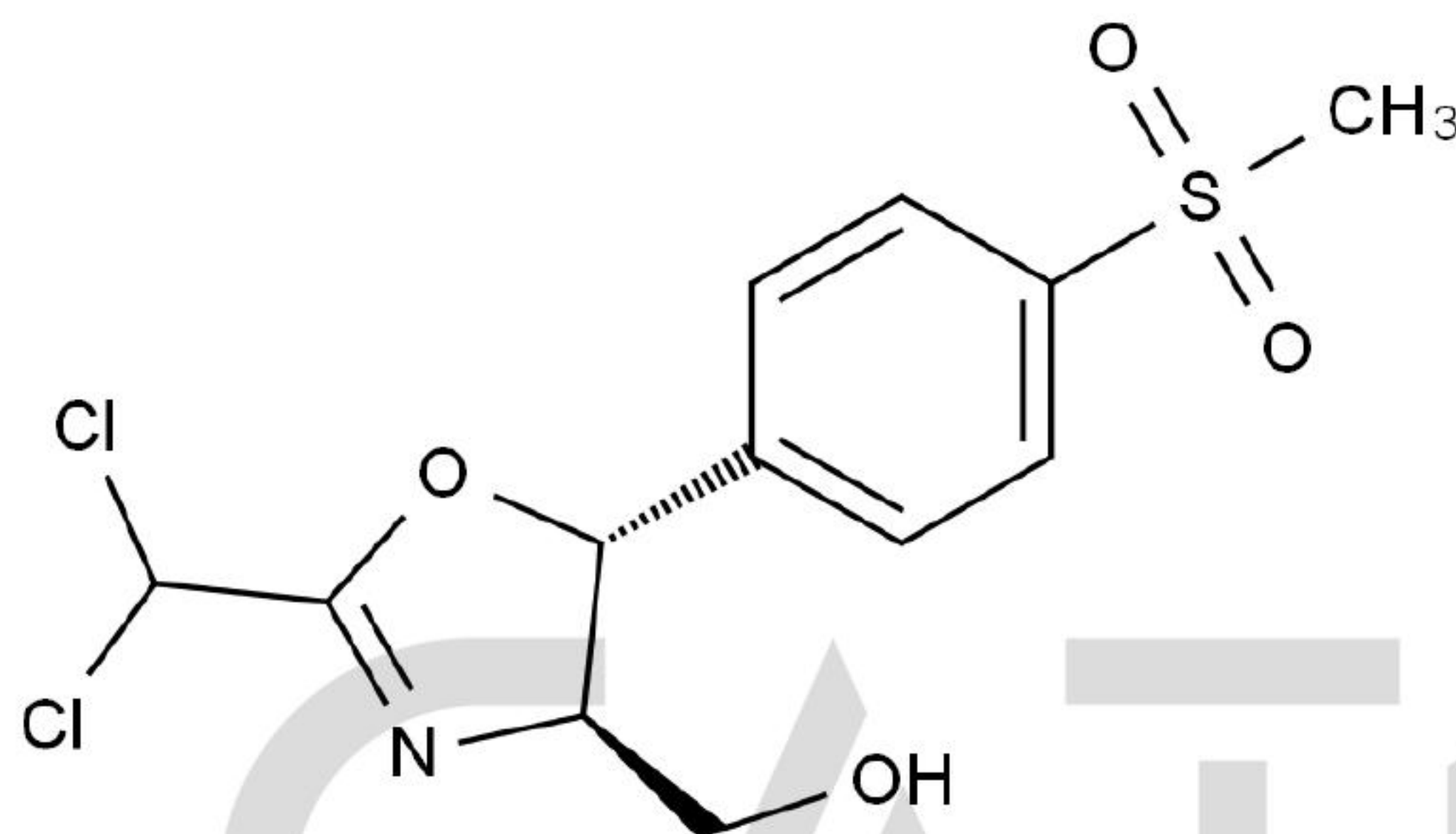


Certificate of Analysis

Reference Material

Product Name:	Thiamphenicol Impurity 10	Catalogue Number:	C4X-204710
Chemical Name:	N/A	Lot Number:	0909-RD-0001
CAS Number:	126813-11-4	Expiry Date:	Aug 25, 2025
Molecular Formula:	C ₁₂ H ₁₃ Cl ₂ NO ₄ S	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	338.21		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.4896%
Water Content	Karl Fischer	0.3%
Residual Solvents	NMR	0.1% methanol
Optical Rotation		[α] _D ^{25.0} (c=0.37, ethanol): +7.8°
Assay		99.1%

Comment:

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

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Hinlam

Reviewed by:

Xenia

Aporoved by General manager:

David

Date: Aug 30, 2022

Date: Sep 15, 2022

Date: Sep 15, 2022

