

Certificate of Analysis

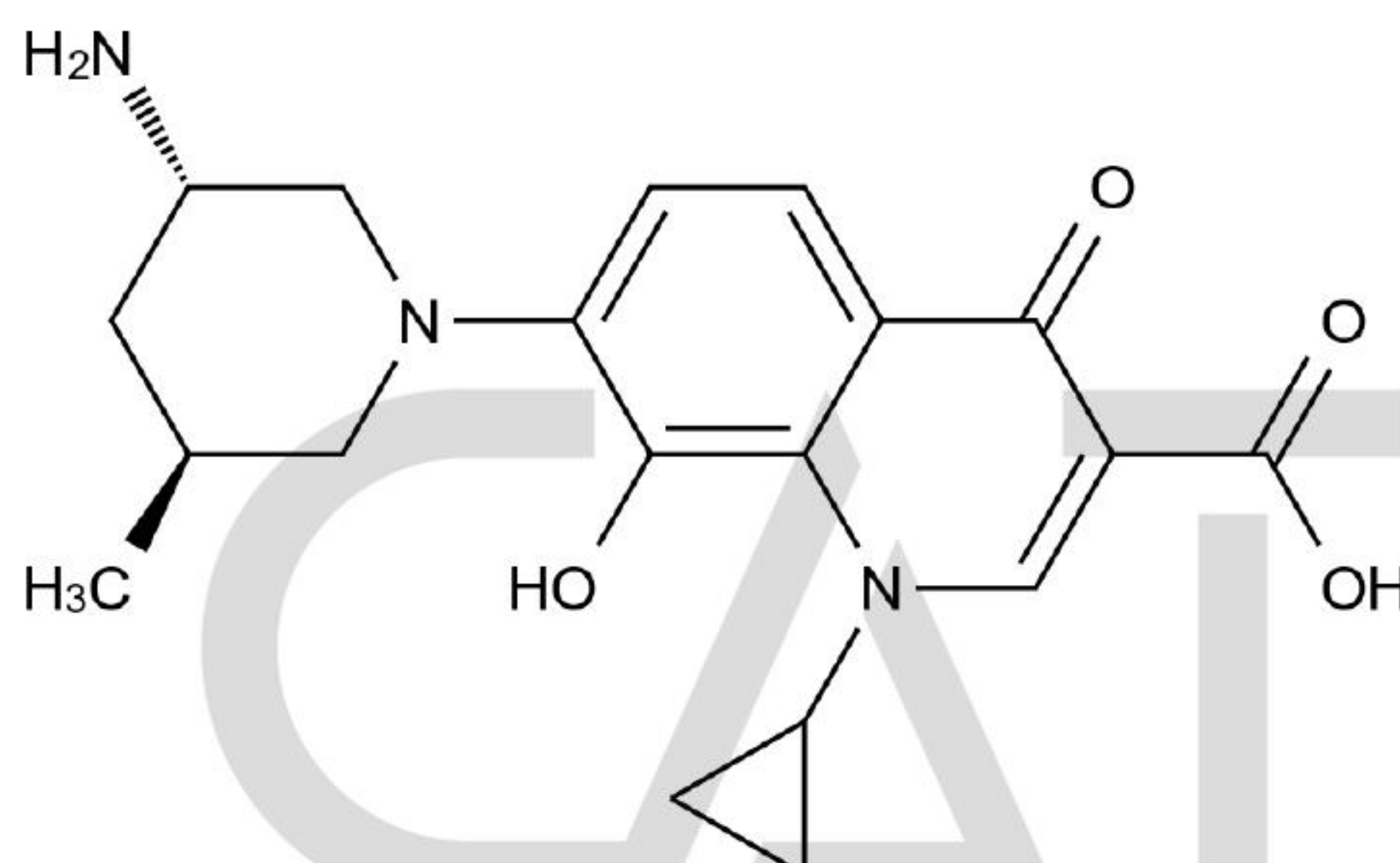
Reference Material & Standard

Product Name:	Nemonoxacin Impurity 31	Catalogue Number:	C4X-312831
Synonyms:	N/A	Lot Number:	1105-RF-0017
CAS Number:	N/A	Expiry Date:	Nov 01, 2027
Molecular Formula:	C ₁₉ H ₂₃ N ₃ O ₄	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	357.40	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow to Brown Solid
Identification	LCMS&IR&1H-1H COSY&1H-1H- NOESY&HNMR	Confirmed
Purity	HPLC	96.967%
Residue on Ignition	TGA	0.2292%
Loss on Drying	TGA	0.1941%
Assay		96.6%

Comment:

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

Assay (%) = (100% - Residue on Ignition - Loss on Drying) * 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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Oct 10, 2025

Date: Oct 10, 2025

Date: Oct 10, 2025



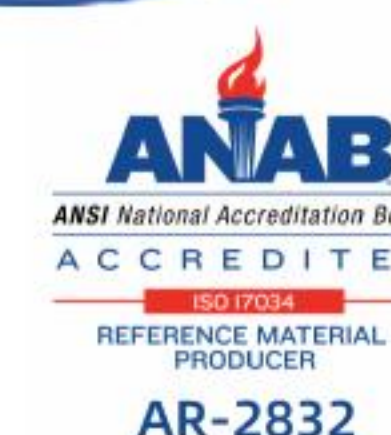
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

Page 1 of 10



Official WeChat