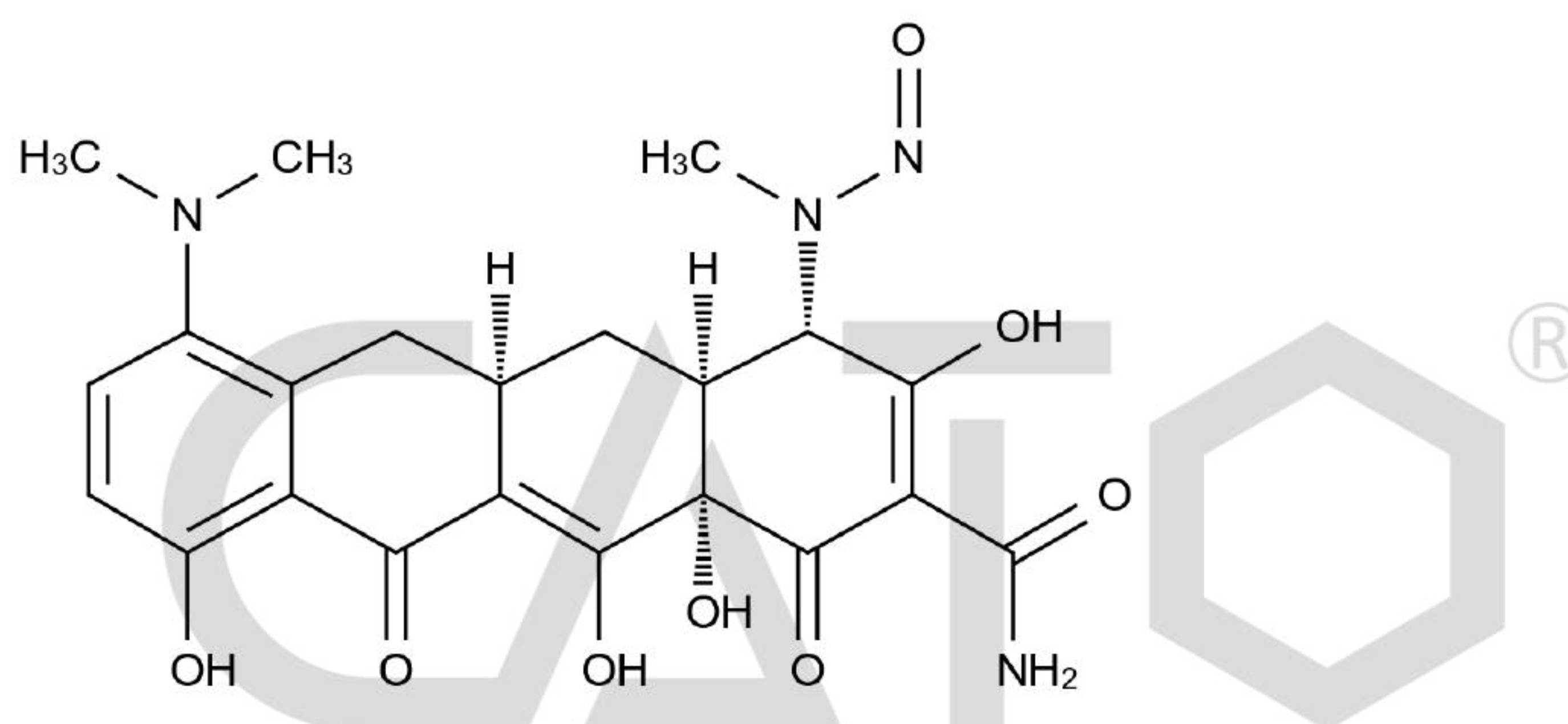


Certificate of Analysis

Reference Material & Standard

Product Name:	Minocycline Impurity 33	Catalogue Number:	C4X-169933
Synonyms:	N/A	Lot Number:	0722-RH-0010
CAS Number:	N/A	Expiry Date:	Jun 24, 2028
Molecular Formula:	C ₂₂ H ₂₄ N ₄ O ₈	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	472.45	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Yellow Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	94.3%
Assay	qNMR	90.4%

Signature:

Prepared by:

Jim

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Jul 22, 2026

Date: Jul 22, 2026

Date: Jul 22, 2026



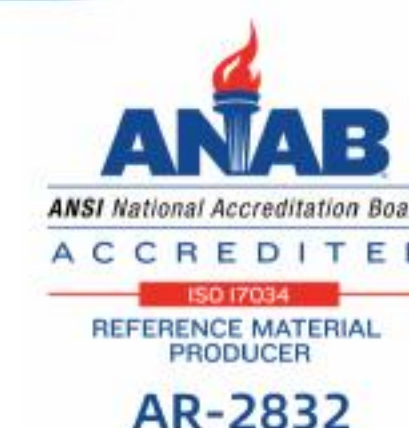
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

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

Page 1 of 8



Official WeChat