

Certificate of Analysis

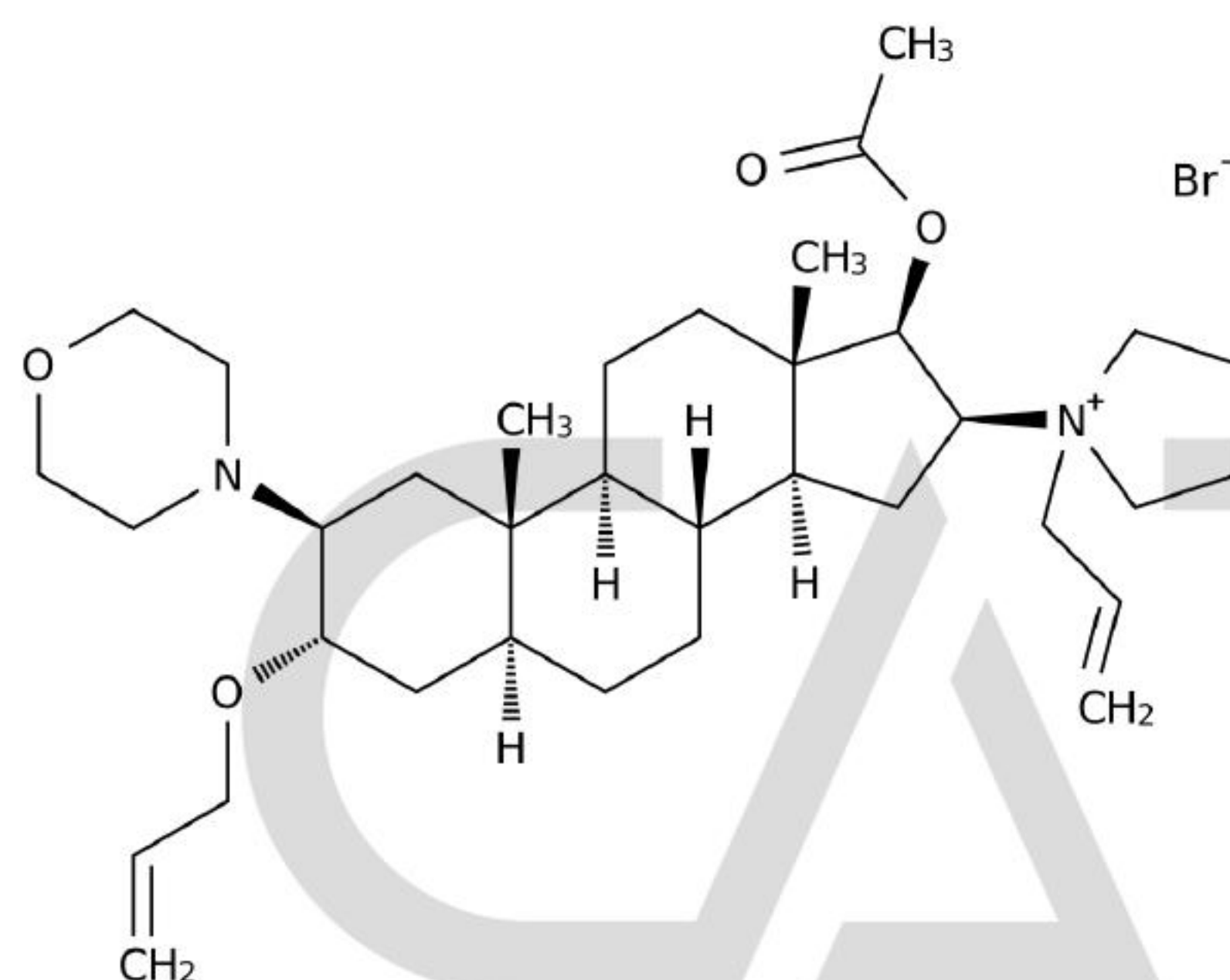
Reference Material & Standard

Product Name:	Rocuronium Bromide Impurity 22	Catalogue Number:	C4X-124222
Synonyms:	N/A	Lot Number:	0112-RH-0188
CAS Number:	N/A	Expiry Date:	Sep 10, 2029
Molecular Formula:	C ₃₅ H ₅₇ N ₂ O ₄ Br	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	569.84 79.90	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&UV&HNMR	Confirmed
Purity	ELSD	96.68%
Water Content	Karl Fischer	3.35%
Residual Solvents	NMR	Not detected in NMR
Assay		93.4%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity ELSD (\%)} / 100\%$

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

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Feb 06, 2026

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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>

