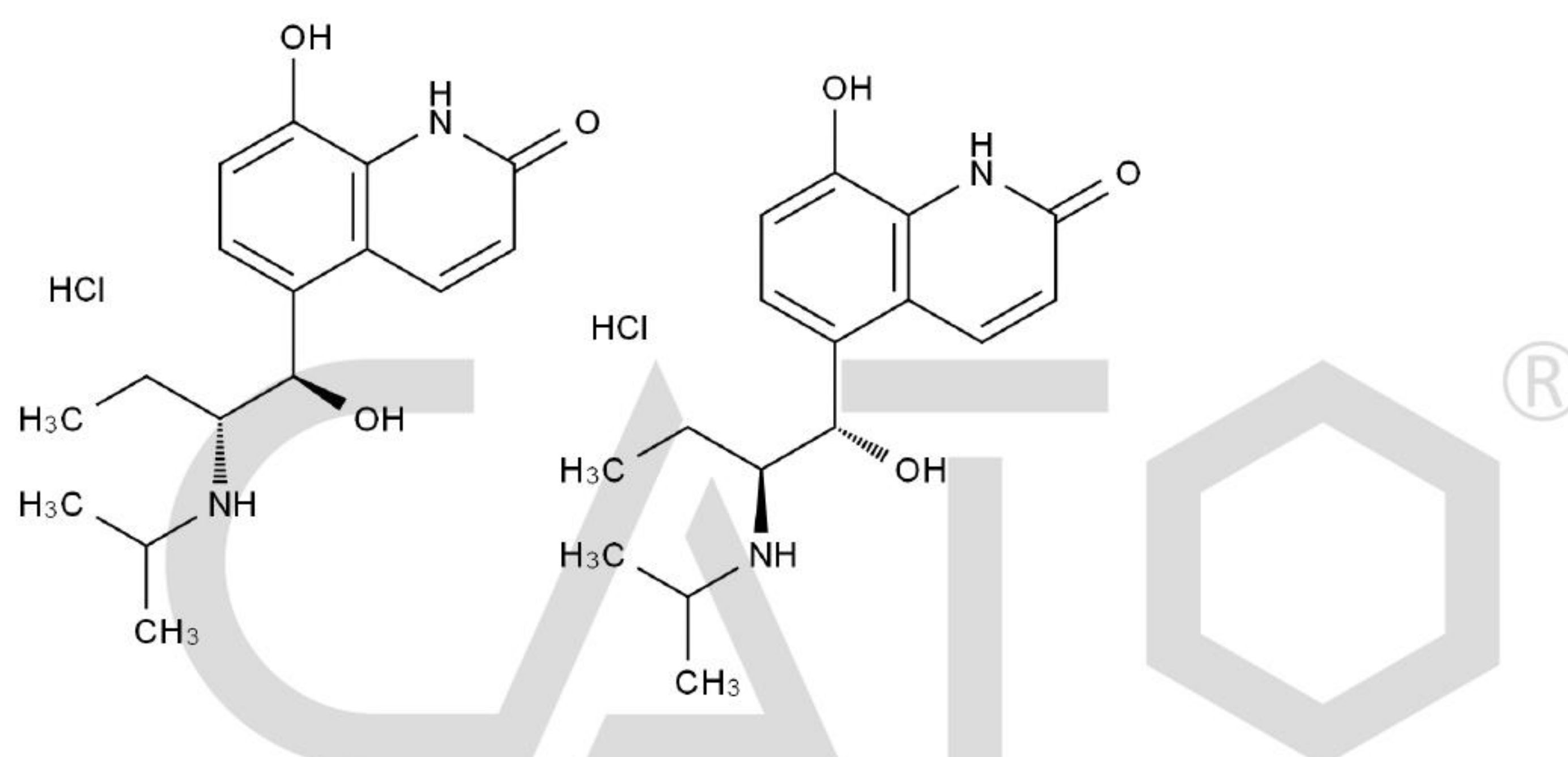


Certificate of Analysis

Reference Material & Standard

Product Name:	Indacaterol Impurity 23 (and enantiomer) HCl	Catalogue Number:	C4X-150058
Synonyms:	N/A	Lot Number:	0811-RG-0097
CAS Number:	62910-96-7	Expiry Date:	Apr 23, 2029
Molecular Formula:	2*C ₁₆ H ₂₂ N ₂ O ₃ 2*HCl	Storage:	-20°C ± 5°C Protected from light and Sealed
Molecular Weight:	2*290.36 2*36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.405%
Water Content	Karl Fischer	3.38%
Residual Solvents	NMR	Not detected in NMR
Assay		96.0%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Aug 12, 2025

Date: Aug 12, 2025

Date: Aug 12, 2025

