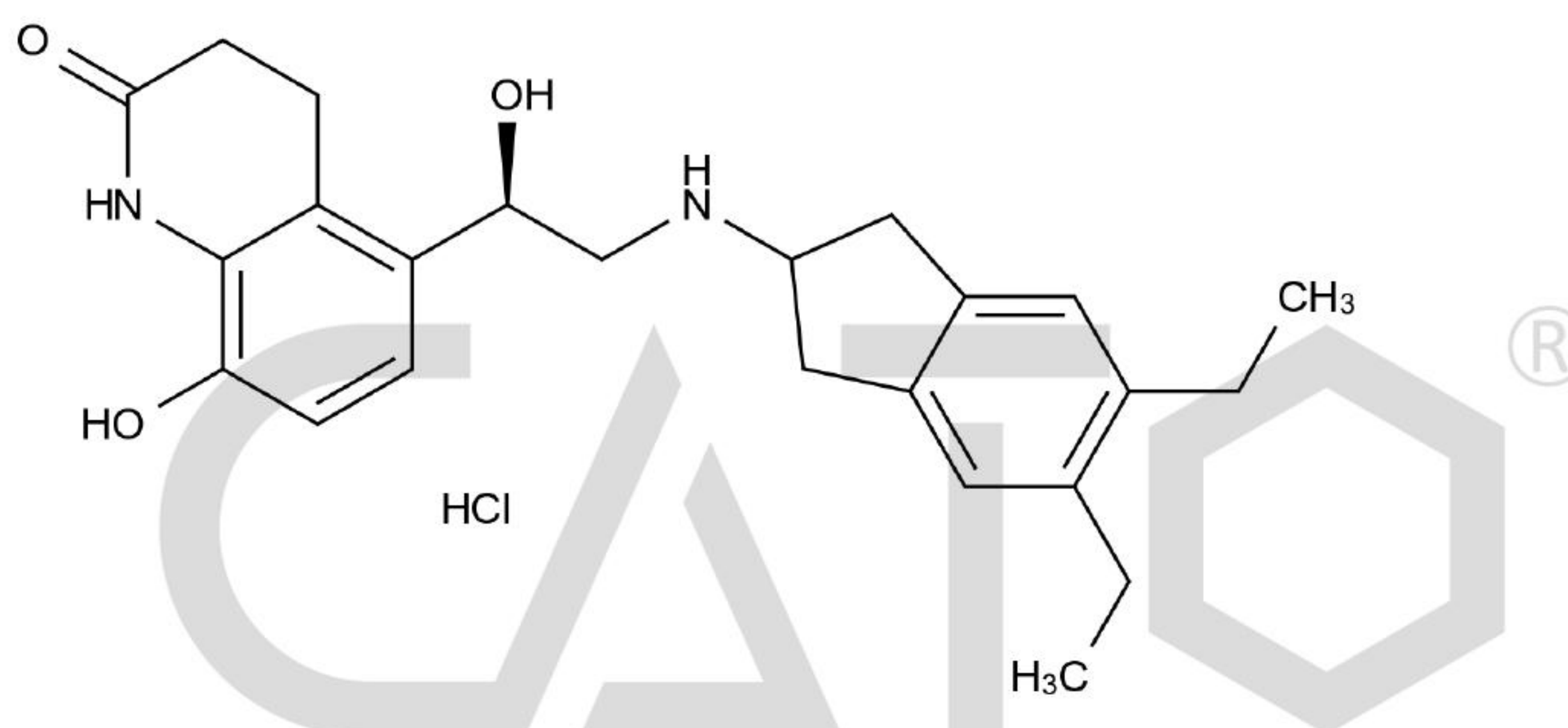


Certificate of Analysis

Reference Material & Standard

Product Name:	Indacaterol impurity 83	Catalogue Number:	C4X-150083
Synonyms:	N/A	Lot Number:	1228-RG-0032
CAS Number:	1403389-05-8(free base))	Expiry Date:	Dec 22, 2029
Molecular Formula:	C ₂₄ H ₃₀ N ₂ O ₃ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	394.51 36.46	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	95.477%
Water Content	Karl Fischer	4.24%
Residual Solvents	NMR	0.50% n-hexane
Assay		91.0%

Comment:

The calculation of the mass balance 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:

Reviewed by:

Approved by General Manager:

Date: Dec 29, 2025

Date: Dec 30, 2025

Date: Dec 30, 2025



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