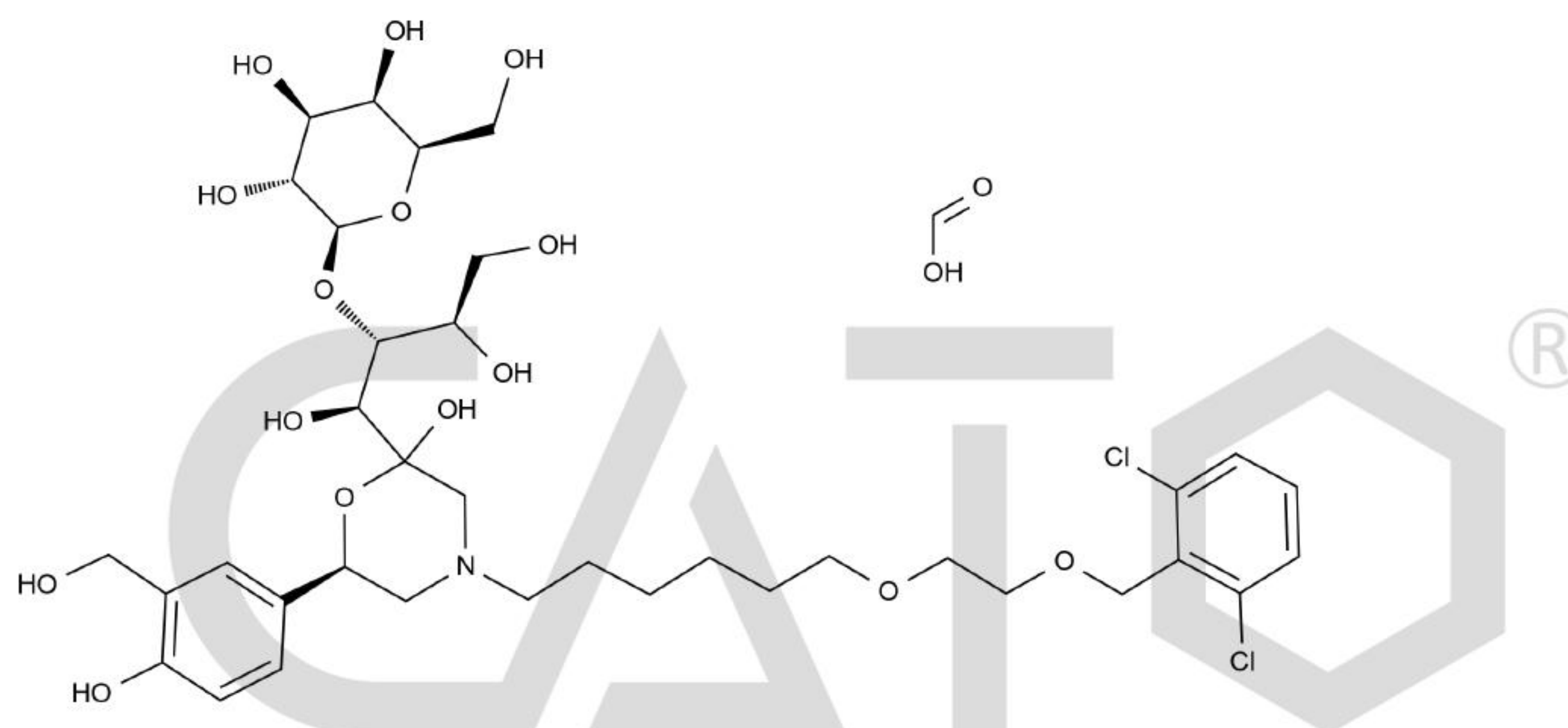


Certificate of Analysis

Reference Material & Standard

Product Name:	Vilanterol Impurity 24 Formate	Catalogue Number:	C4X-193524
Synonyms:	N/A	Lot Number:	0305-RH-0073
CAS Number:	N/A	Expiry Date:	Sep 14, 2029
Molecular Formula:	C ₃₆ H ₅₃ Cl ₂ NO ₁₅ CH ₂ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	810.71 46.03	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	99.175%
Water Content	Karl Fischer	2.40%
Residual Solvents	NMR	Not detected in NMR
Assay		96.8%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Mar 06, 2026

Date: Mar 08, 2026

Date: Mar 08, 2026



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