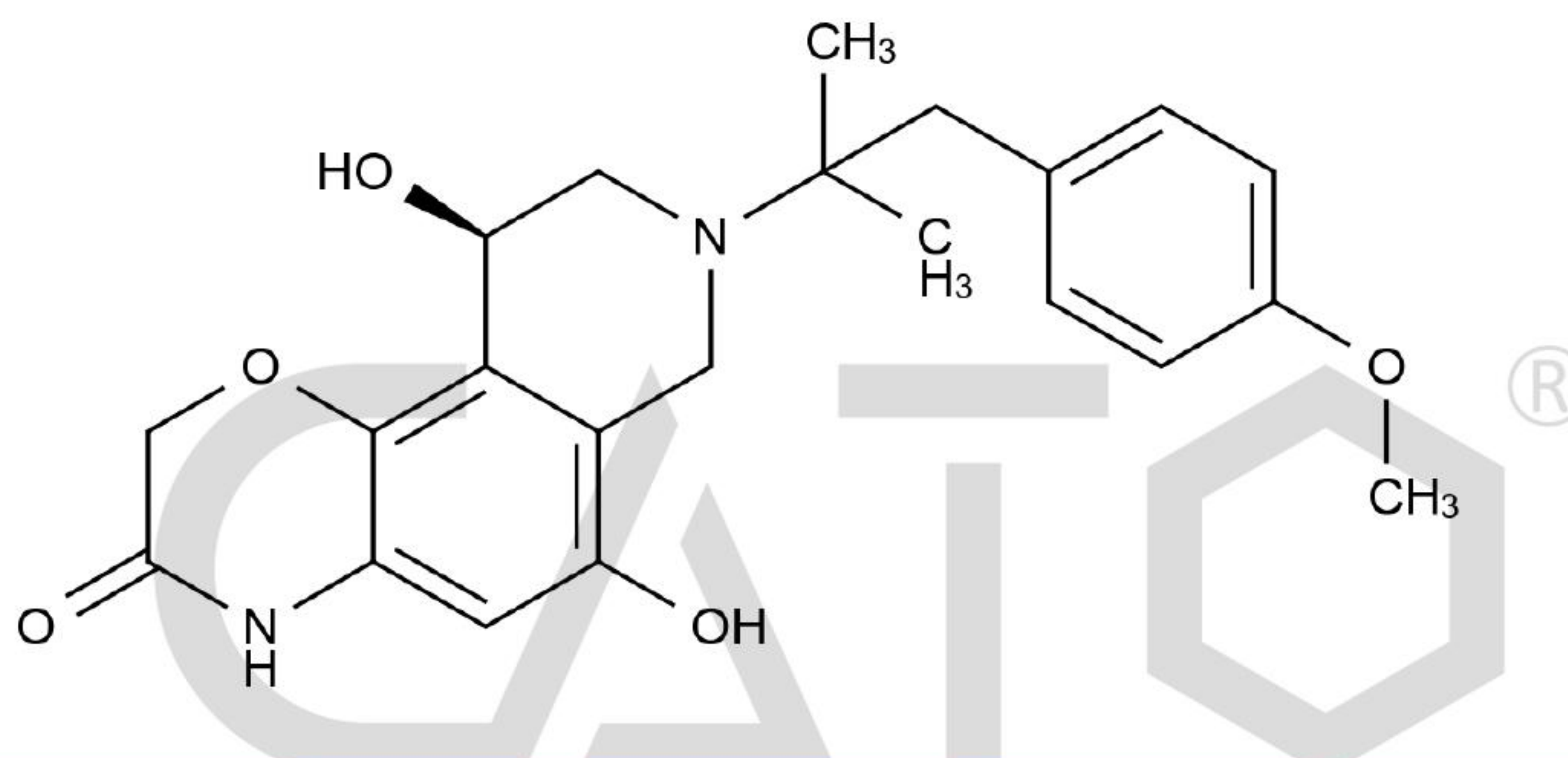


Certificate of Analysis

Reference Material & Standard

Product Name:	(R)-Olodaterol Impurity 4	Catalogue Number:	C4X-19434
Synonyms:	N/A	Lot Number:	0627-RF-0023
CAS Number:	N/A	Expiry Date:	Apr 28, 2030
Molecular Formula:	C ₂₂ H ₂₆ N ₂ O ₅	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	398.45	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.082%
Water Content	Karl Fischer	1.29%
Residual Solvents	NMR	0.15% acetonitrile
Assay		97.7%

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: Aug 03, 2026

Date: Aug 03, 2026

Date: Aug 03, 2026



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