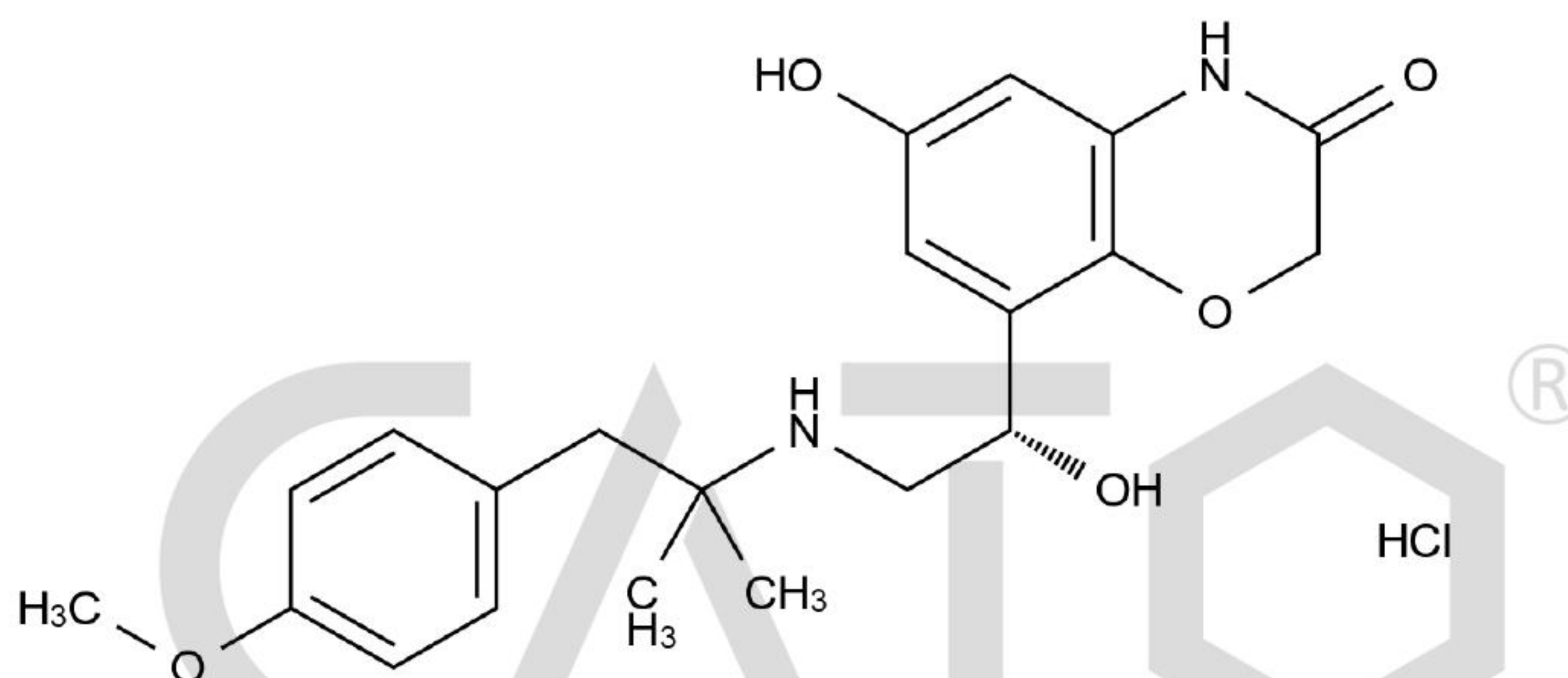


Certificate of Analysis

Reference Material & Standard

Product Name:	(S)-Olodaterol hydrochloride	Catalogue Number:	C4X-19436
Synonyms:	N/A	Lot Number:	1215-RG-0164
CAS Number:	868049-50-7(free base)	Expiry Date:	Dec 09, 2029
Molecular Formula:	C ₂₁ H ₂₆ N ₂ O ₅ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	386.44 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&UV&HNMR	Confirmed
Purity	HPLC	97.637%
Water Content	Karl Fischer	1.66%
Residual Solvents	NMR	Not detected in NMR
Assay		96.0%

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:

Jim

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Dec 16, 2025

Date: Dec 16, 2025

Date: Dec 16, 2025



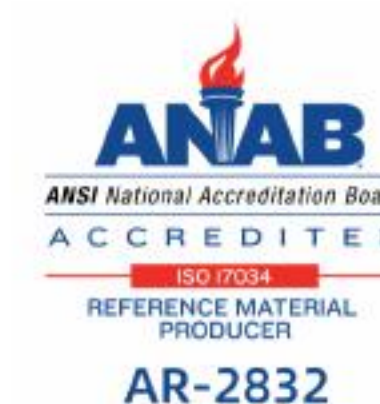
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