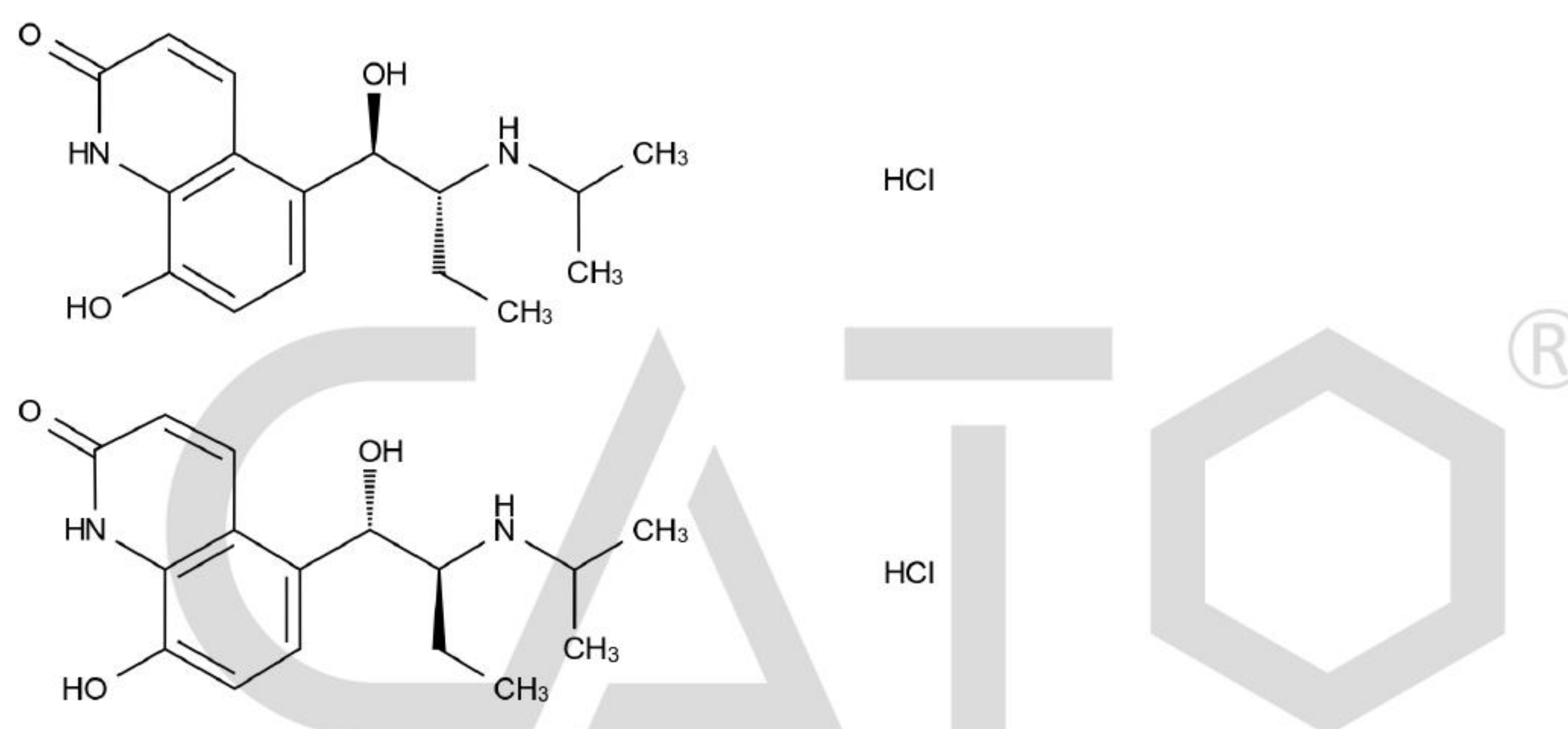


Certificate of Analysis

Reference Material & Standard

Product Name:	Procaterol impurity 42	Catalogue Number:	C4X-181042
Synonyms:	N/A	Lot Number:	1110-RG-0057
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	Shipping Condition:	Shipping with Ice Packs

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:

1. Catalogue Number has been changed from "C4X-150058" to "C4X-181042". Therefore some of the graphs shown below were named by "C4X-150058".

2. The calculation of the mass balance method follows the formula (calculated on the non-dried basis):

$$\text{Assay (\%)} = (100\% - \text{Water Content} - \text{Residual Solvents}) * \text{Purity HPLC (\%)} / 100\%$$

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

100

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Apr 03, 2026

Date: Apr 03, 2026

Date: Apr 03, 2026

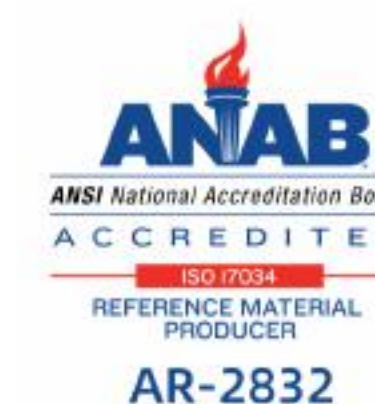
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: [Https://www.cato-chem.com](https://www.cato-chem.com)

Page 1 of 6



Official WeChat