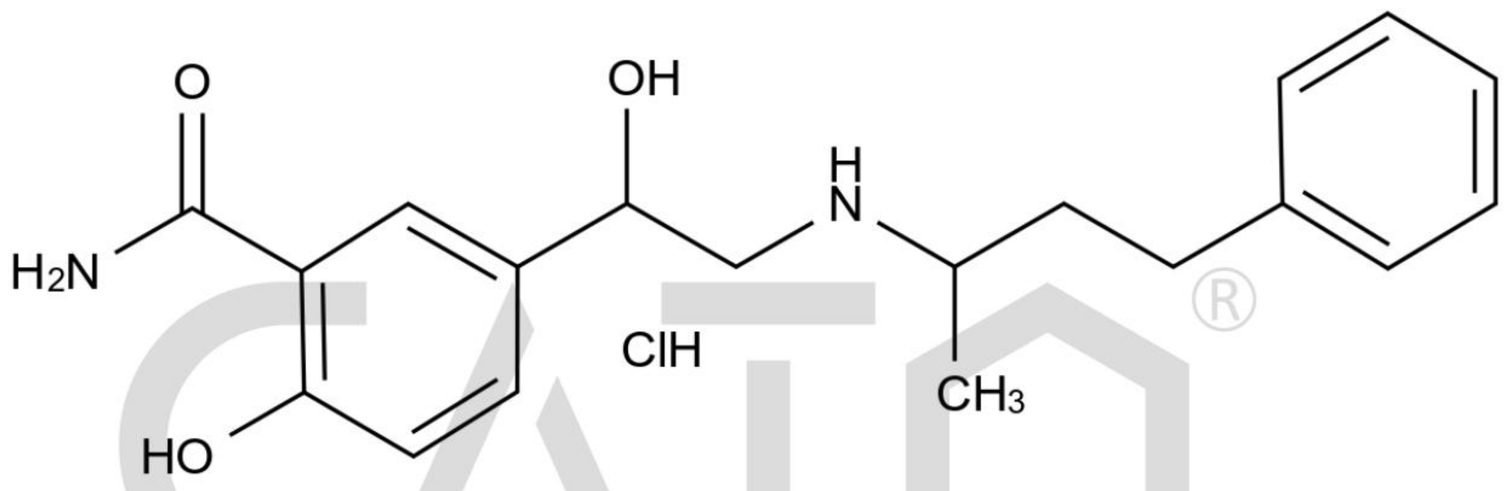
Certificate of Analysis

Reference Material & Standard

Product Name:	Labeolol hydrochloride	**Catalogue Number:**	C4X-246626
Synonyms:	N/A	**Lot Number:**	1020-RH-0056
CAS Number:	32780-64-6	**Expiry Date:**	Oct 19, 2030
Molecular Formula:	$C_{19}H_{24}N_2O_3$ HCl	**Storage:**	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	328.41 36.46	**Shipping Condition:**	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.930%
Residue on Ignition	TGA	0.5498%
Loss on Drying	TGA	0.1351%
Assay	qNMR	98.7%
Assay (Assigned Value)	Mass Balance	99.2%

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Comment:

The calculation of the mass balance method follows the formula (calculated on the non-dried basis):
*Assay (%) = (100%-Residue on Ignition-Loss on Drying) * Purity HPLC (%) /100%*
Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by: Koji Date: Oct 20, 2026

Reviewed by: Lisa Date: Oct 20, 2026

Approved by General Manager: David Date: Oct 20, 2026

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