

Certificate of Analysis

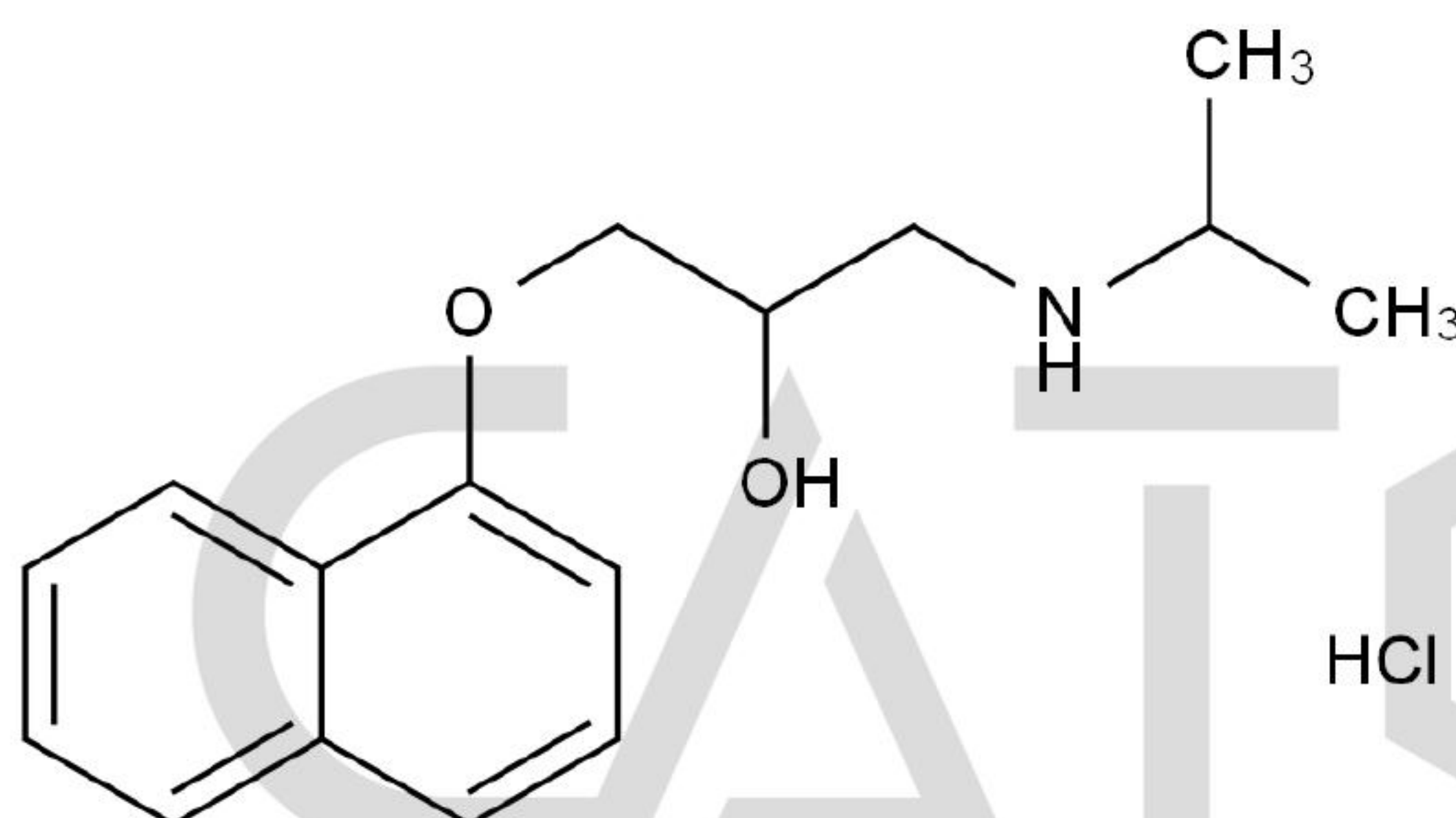
Reference Material & Standard

Product Name:	Propranolol hydrochloride	Catalogue Number:	C4X-1519
Synonyms:	N/A	Lot Number:	0714-RH-0077
CAS Number:	318-98-9	Expiry Date:	Jul 13, 2030
Molecular Formula:	C ₁₆ H ₂₁ NO ₂ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	259.34 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&CNMR&HNMR	Confirmed
Purity	HPLC	100.000%
Residue on Ignition	TGA	0.2415%
Loss on Drying	TGA	0.0597%
Assay		99.7%

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:

Koi

Reviewed by:

Lisa

Approved by General Manager:

David

Date: Jul 14, 2026

Date: Jul 15, 2026

Date: Jul 15, 2026



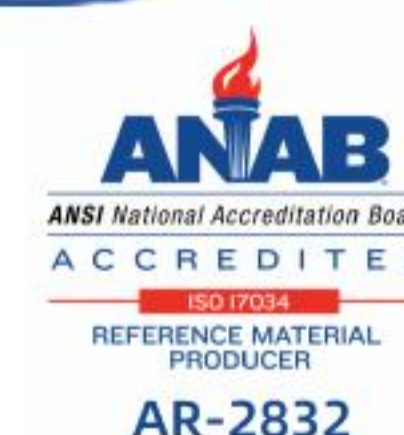
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