

Certificate of Analysis

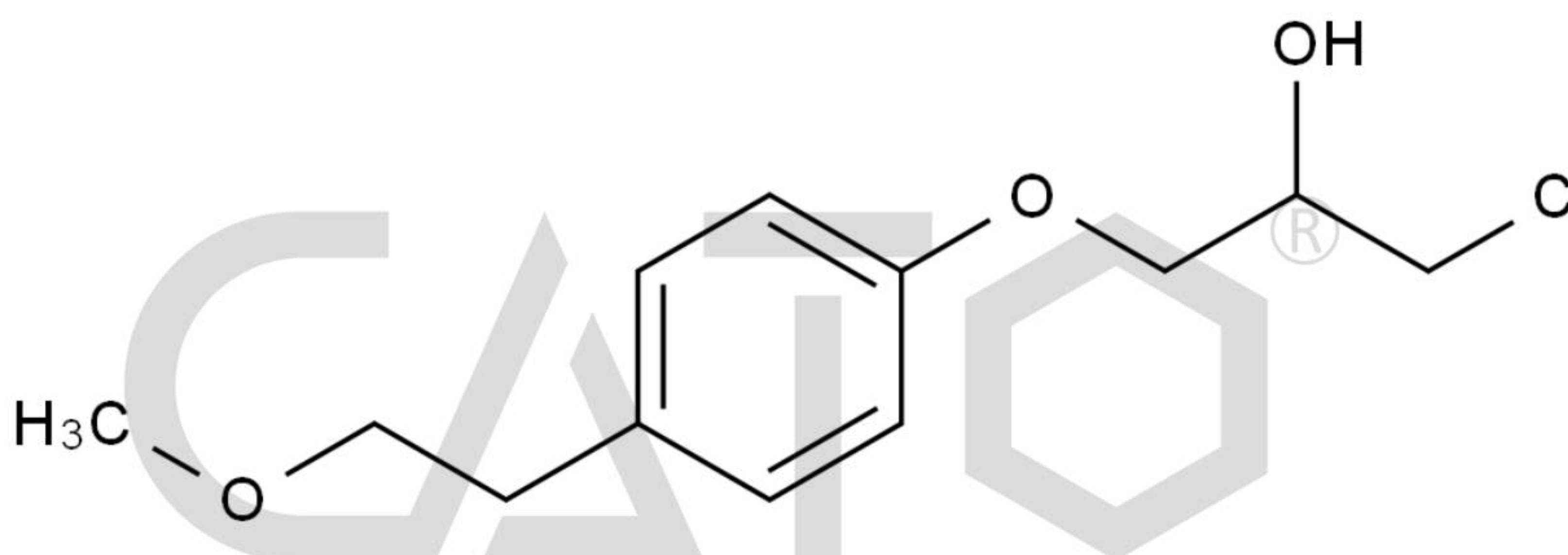
Reference Material & Standard

Product Name:	Metoprolol USP Related Compound B	Catalogue Number:	C4X-136716
Synonyms:	N/A	Lot Number:	0307-RF-0051
CAS Number:	56718-76-4	Expiry Date:	Nov 19, 2026
Molecular Formula:	C ₁₂ H ₁₇ ClO ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	244.71	Shipping Condition:	Shipping with Ice Packs

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Liquid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.009%
Water Content	Karl Fischer	0.30%
Assay		98.7%

Comment:

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

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is 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 08, 2026

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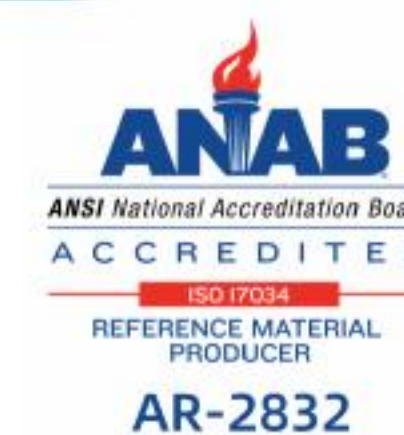
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Page 1 of 5



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