

Certificate of Analysis

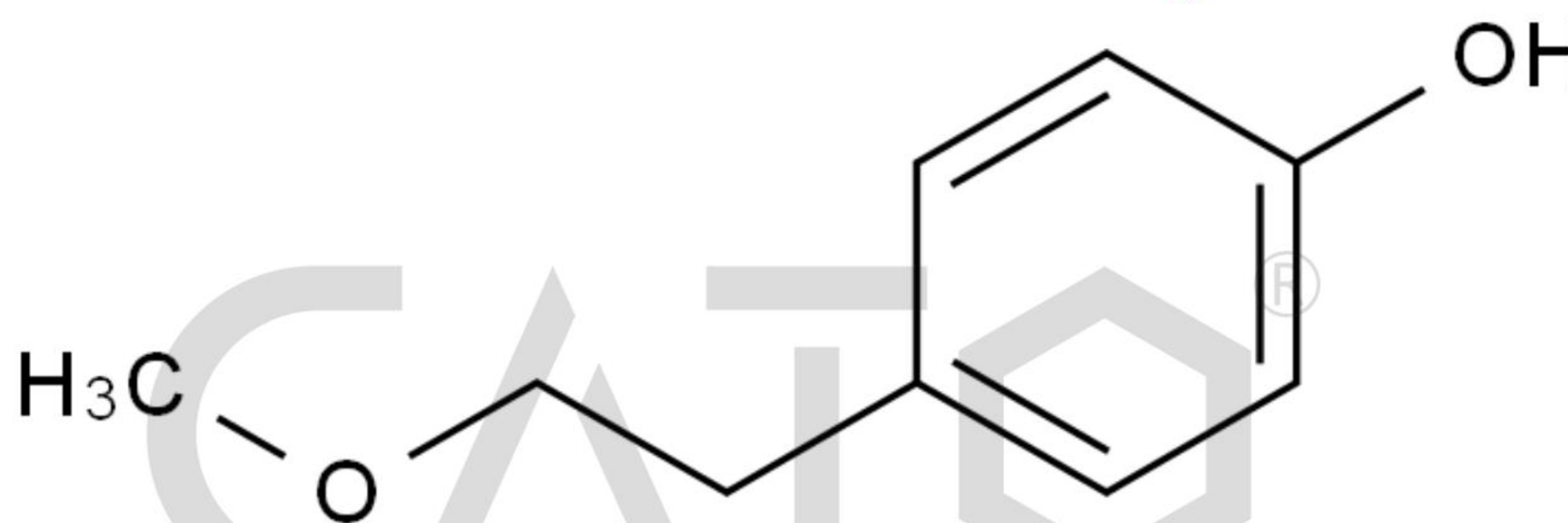
Reference Material & Standard

Product Name:	Metoprolol EP Impurity B	Catalogue Number:	C4X-13672
Synonyms:	N/A	Lot Number:	0508-RG-0010
CAS Number:	56718-71-9	Expiry Date:	May 06, 2028
Molecular Formula:	C ₉ H ₁₂ O ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	152.19	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	GCMS&UV&CNMR&HNMR	Confirmed
Purity	HPLC	99.370%
Loss on Drying	TGA	1.2104%
Assay		98.2%

Comment:

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

Assay (%) = (100% - Loss on Drying) * Purity HPLC (%) / 100%

Loss on Drying 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: May 08, 2026

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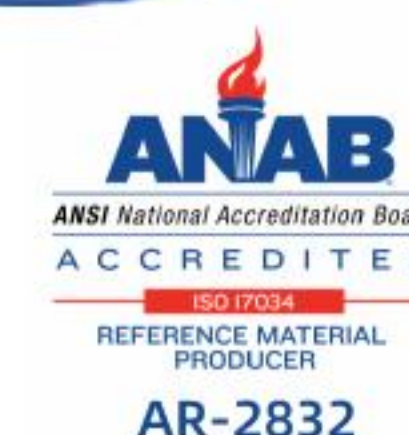
Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

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