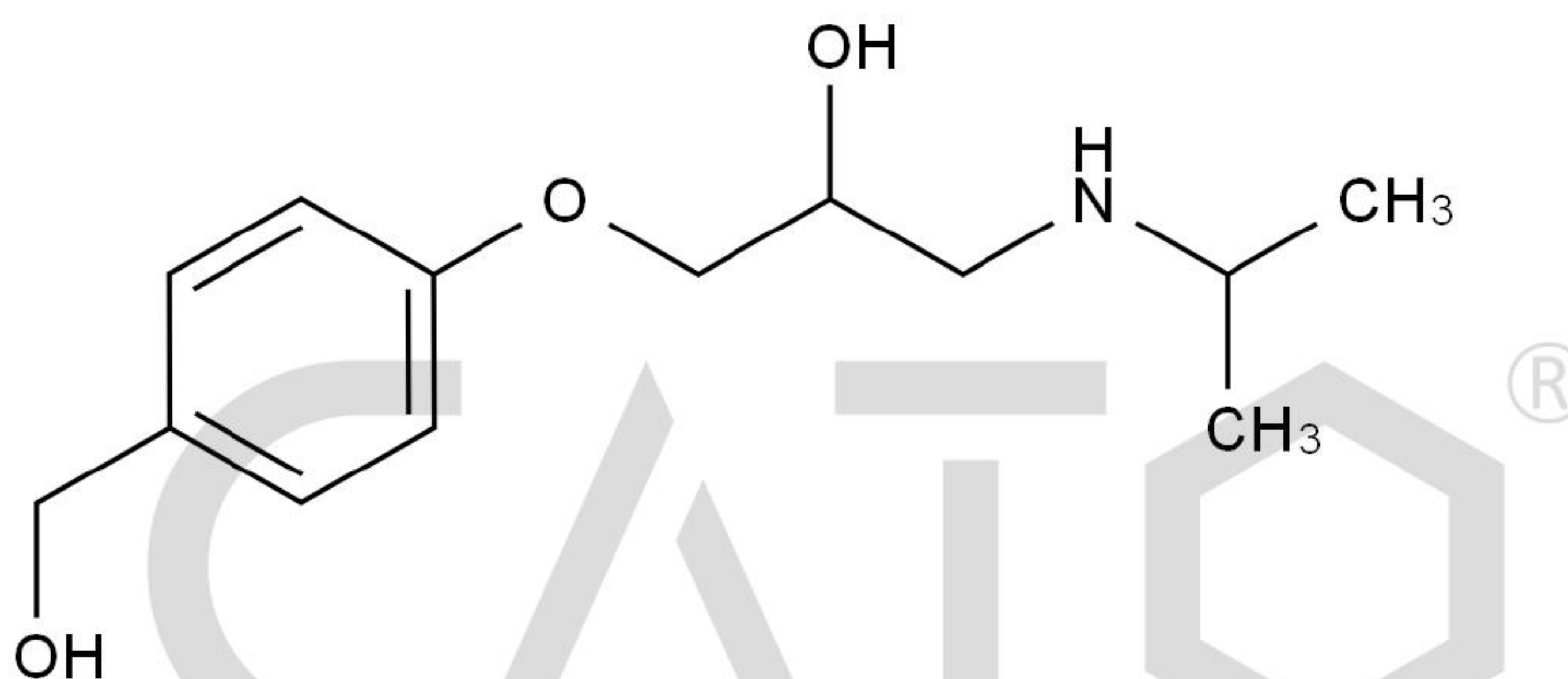


Certificate of Analysis

Reference Material & Standard

Product Name:	Bisoprolol EP Impurity A	Catalogue Number:	C4X-12471
Synonyms:	N/A	Lot Number:	0113-RG-0133
CAS Number:	62572-93-4	Expiry Date:	Jan 14, 2028
Molecular Formula:	C ₁₃ H ₂₁ NO ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	239.31	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&UV&CNMR&HNMR	Confirmed
Purity	HPLC	96.875%
Loss On Drying	TGA	0.3229%
Assay		96.6%

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:

Hinlam

Approved by General Manager:

David

Date: Mar 02, 2026

Date: Mar 02, 2026

Date: Mar 02, 2026



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