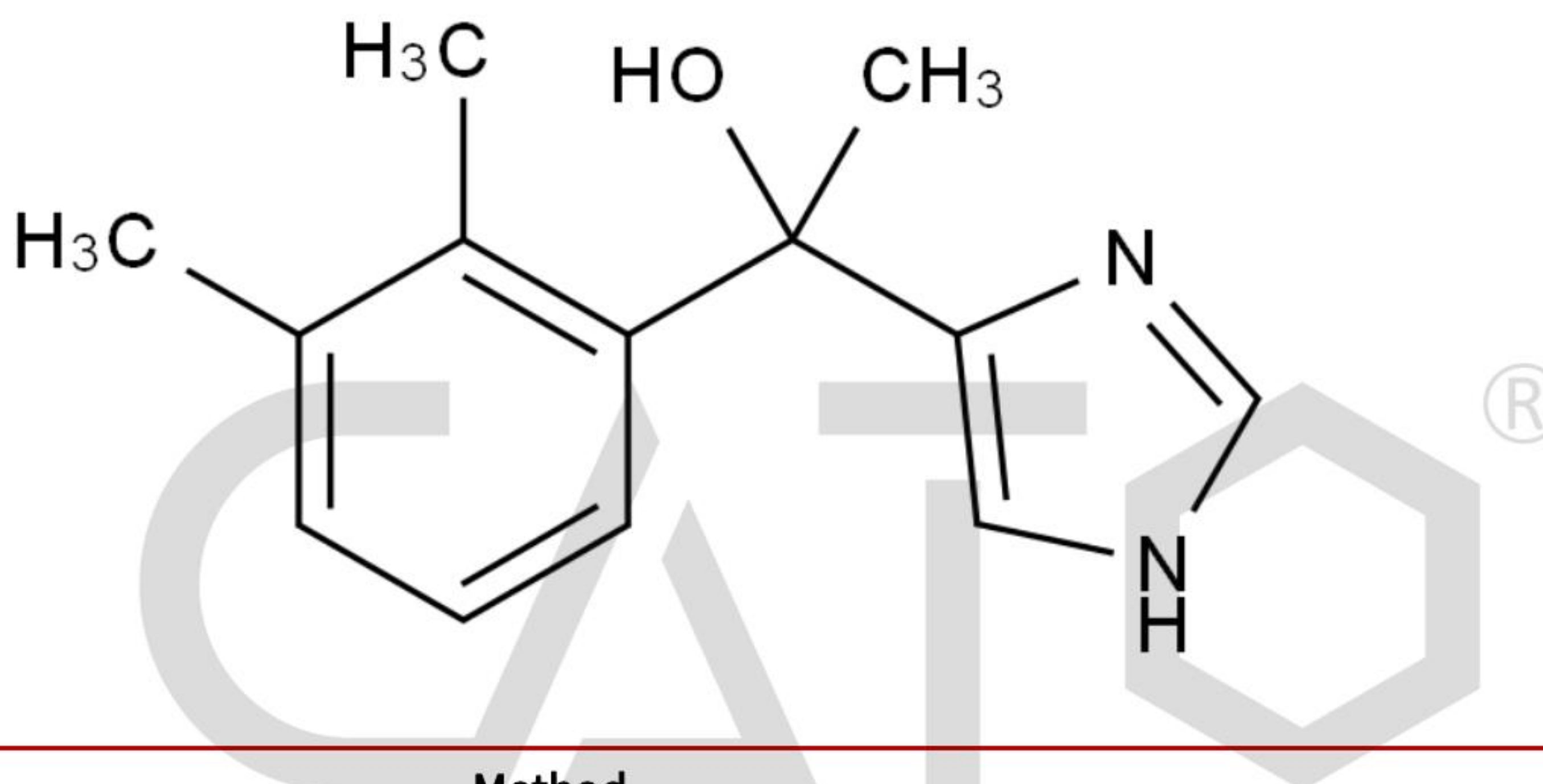


Certificate of Analysis

Reference Material & Standard

Product Name:	Dexmedetomidine Impurity 7	Catalogue Number:	C4X-12307
Synonyms:	N/A	Lot Number:	0620-RE-0032
CAS Number:	86347-12-8	Expiry Date:	Jun 28, 2026
Molecular Formula:	C ₁₃ H ₁₆ N ₂ O	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	216.28		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	95.967%
Loss On Drying	TGA	0.3523%
Assay		95.6%

Comment:

The calculation of the 100% 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: Aug 25, 2025

Date: Aug 25, 2025

Date: Aug 25, 2025

