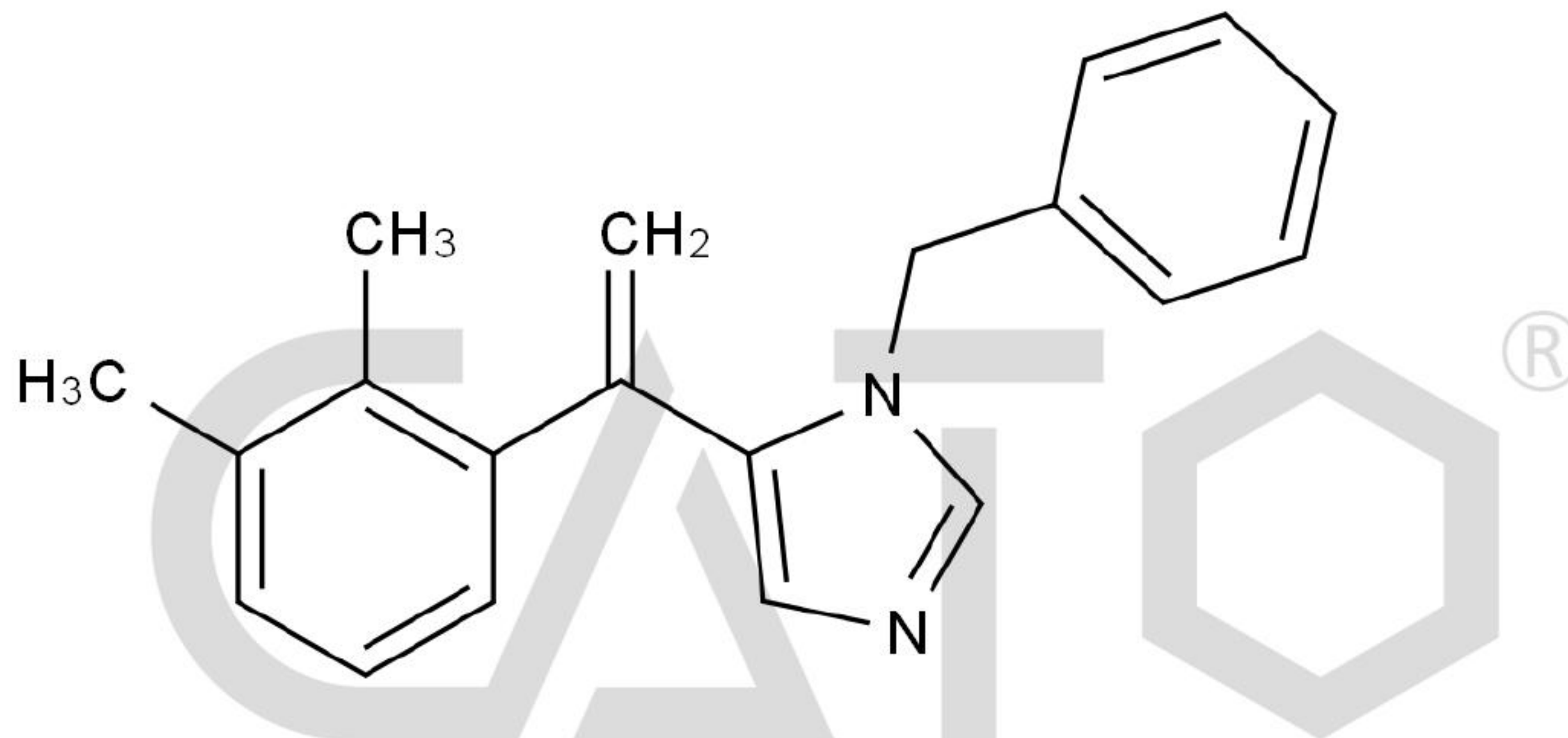


Certificate of Analysis

Reference Material & Standard

Product Name:	Dexmedetomidine Impurity 20	Catalogue Number:	C4X-123020
Synonyms:	Dexmedetomidine hydrochloride USP Impurity E	Lot Number:	0620-RE-0010
CAS Number:	2250243-56-0	Expiry Date:	Aug 21, 2029
Molecular Formula:	C20H20N2	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	288.39	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.585%
Loss On Drying	TGA	0.1156%
Assay		99.5%

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 22, 2025

Date: Aug 25, 2025

Date: Aug 25, 2025

