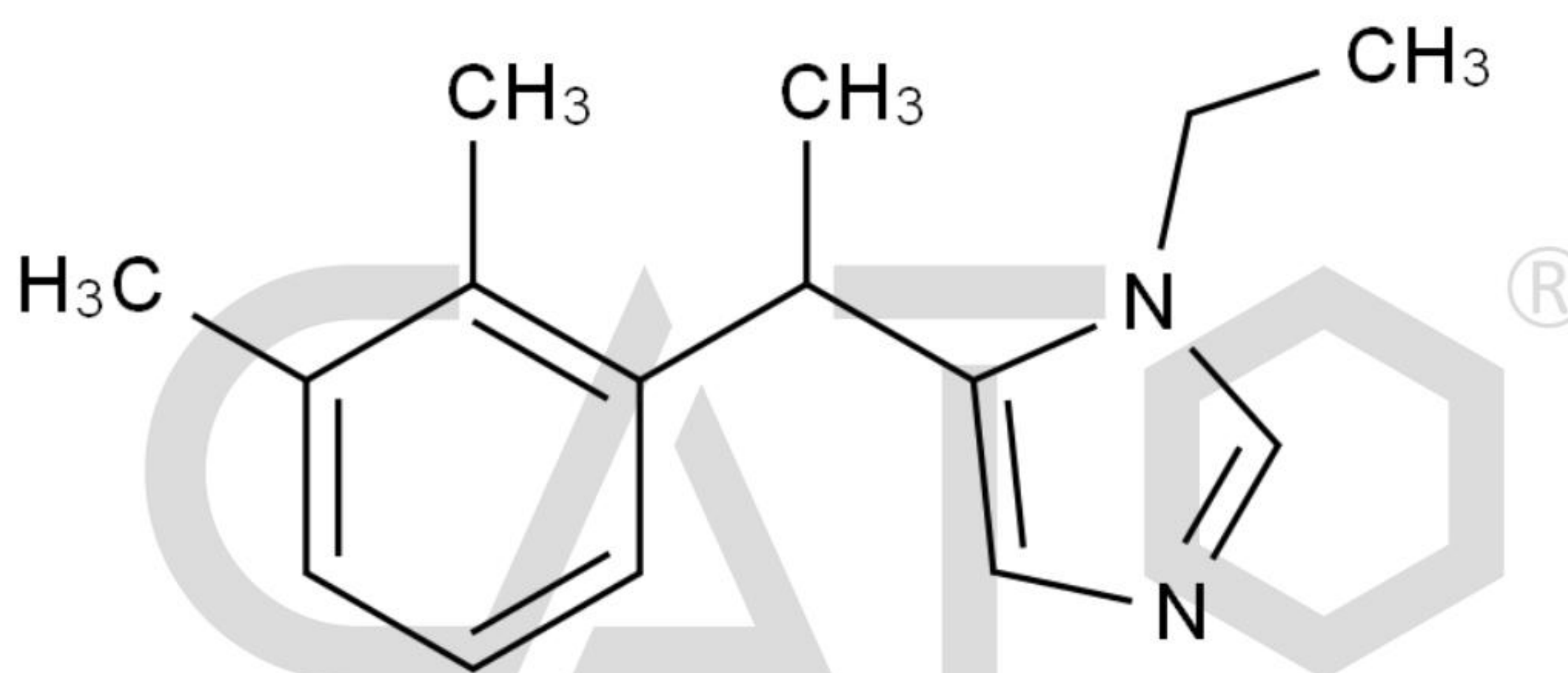


Certificate of Analysis

Reference Material & Standard

Product Name:	Dexmedetomidine USP Related Compound C	Catalogue Number:	C4X-123049
Synonyms:	N/A	Lot Number:	0114-RG-0002
CAS Number:	2250243-24-2	Expiry Date:	Jul 31, 2027
Molecular Formula:	C ₁₅ H ₂₀ N ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	228.33	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.9496%
Residue on Ignition	TGA	0.194%
Loss on Drying	TGA	0.699%
Assay		98.1%

Comment:

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

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

Residue on Ignition and Loss on Drying are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Jan 14, 2025

Date: Jan 14, 2025

Date: Jan 14, 2025



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