

Certificate of Analysis

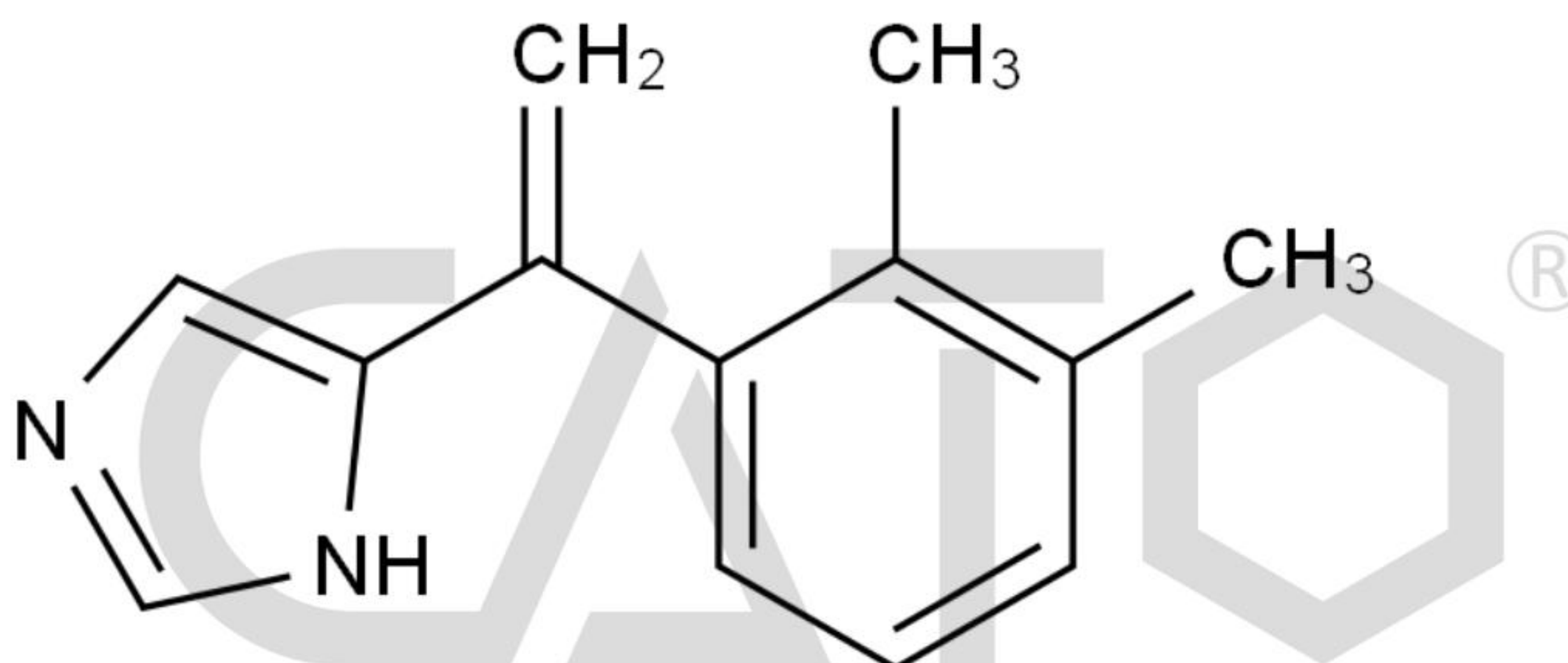
Reference Material & Standard

Product Name:	Dexmedetomidine hydrochloride USP Impurity B	Catalogue Number:	C4X-12304
Synonyms:	N/A	Lot Number:	0617-RE-0041
CAS Number:	1021949-47-2	Expiry Date:	Aug 25, 2029
Molecular Formula:	C ₁₃ H ₁₄ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	198.26	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Loss on Drying	TGA	0.0021%
Assay		100.0%

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: Aug 26, 2025

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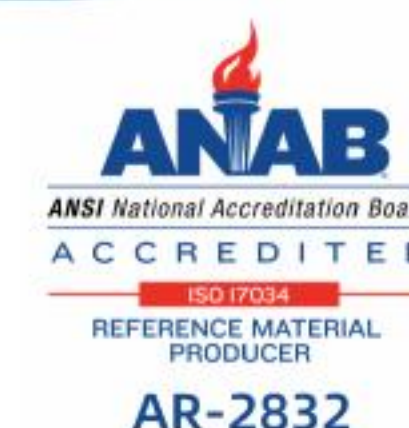
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