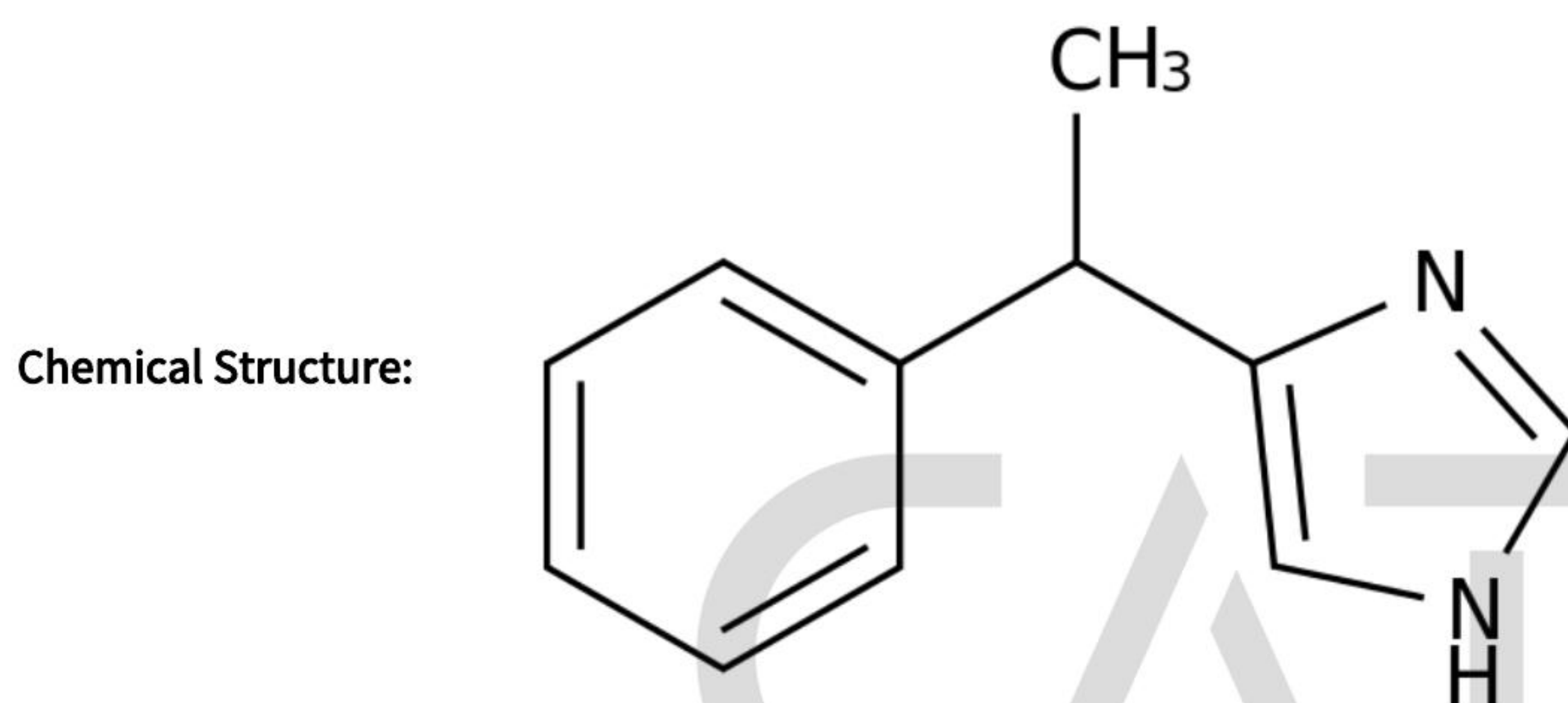


Certificate of Analysis

Reference Material & Standard

Product Name:	Dexmedetomidine Impurity 40	Catalogue Number:	C4X-123040
Synonyms:	N/A	Lot Number:	0826-RG-0065
CAS Number:	881409-85-4	Expiry Date:	Aug 28, 2029
Molecular Formula:	C ₁₁ H ₁₂ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	172.23		



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.151%
Loss On Drying	TGA	0.3768%
Assay		98.8%

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:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Aug 29, 2025

Date: Aug 29, 2025

Date: Aug 29, 2025

