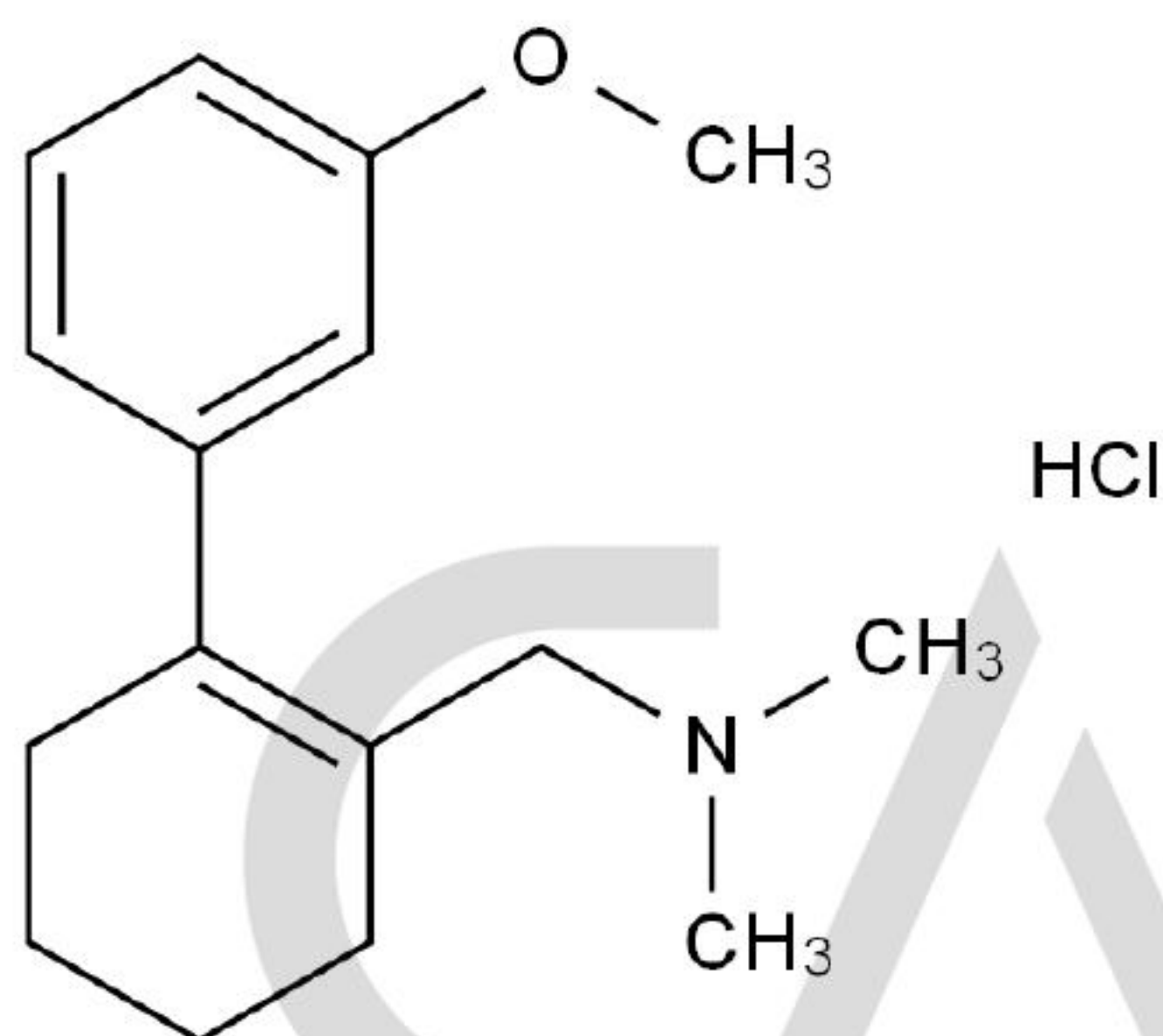


Certificate of Analysis

Reference Material & Standard

Product Name:	Tramadol Hydrochloride EP Impurity B	Catalogue Number:	C4X-14981
Synonyms:	N/A	Lot Number:	0717-RG-0059
CAS Number:	66170-32-9	Expiry Date:	Jul 22, 2029
Molecular Formula:	C ₁₆ H ₂₃ NO HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	245.36 36.46	Shipping Condition:	Shipping at Room Temperature

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.0%
Assay	qNMR	90.4%

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Jul 23, 2025

Date: Jul 23, 2025

Date: Jul 23, 2025



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