

Certificate of Analysis

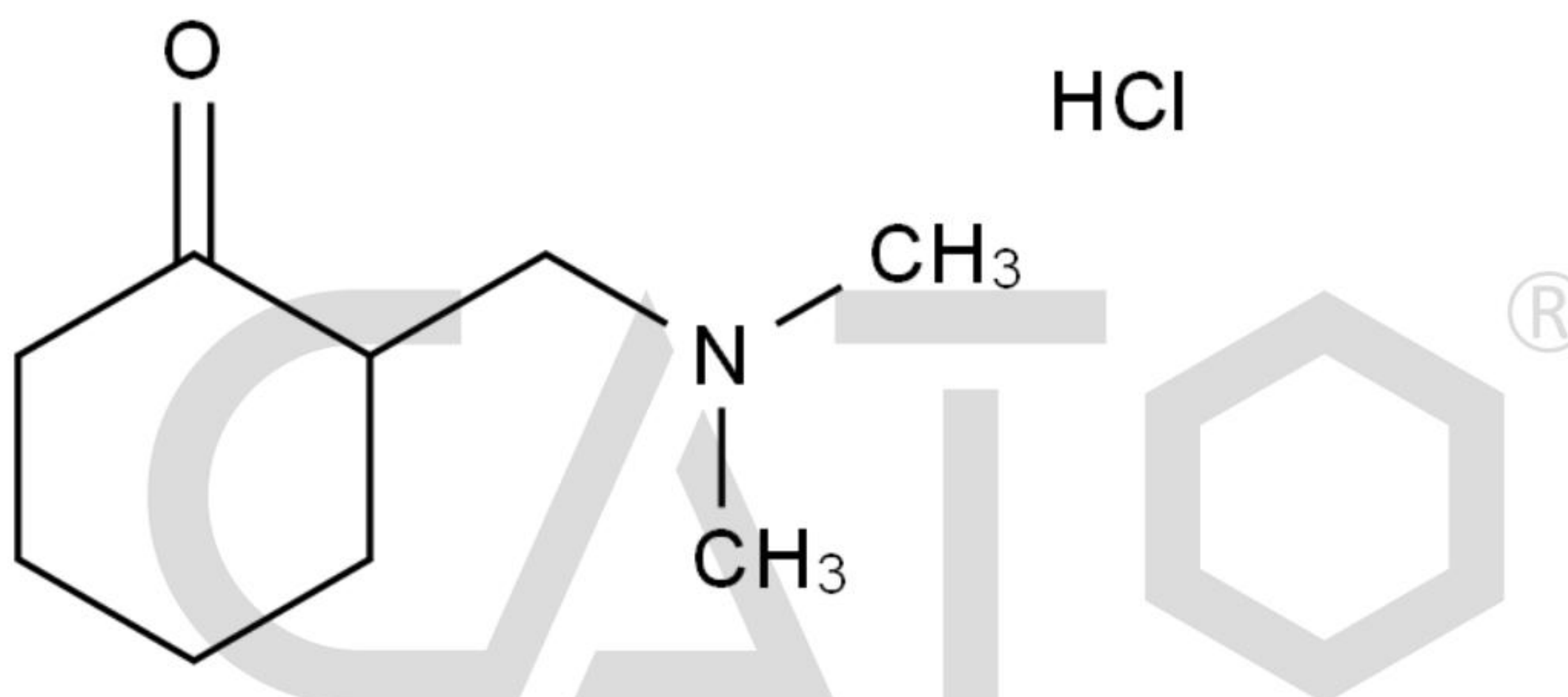
Reference Material & Standard

Product Name:	Tramadol EP Impurity E HCl	Catalogue Number:	C4X-14986
Synonyms:	N/A	Lot Number:	0129-RH-0064
CAS Number:	42036-65-7	Expiry Date:	Feb 08, 2030
Molecular Formula:	C ₉ H ₁₇ NO HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	155.24 36.46	Shipping Condition:	Shipping at Room Temperature

Warning:



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Residue on Ignition	TGA	0.6528%
Loss On Drying	TGA	0.3634%
Assay	qNMR	96.8%

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: Feb 09, 2026

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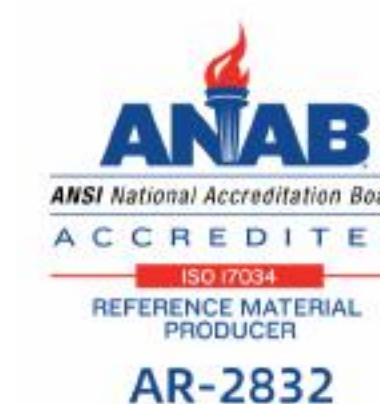
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