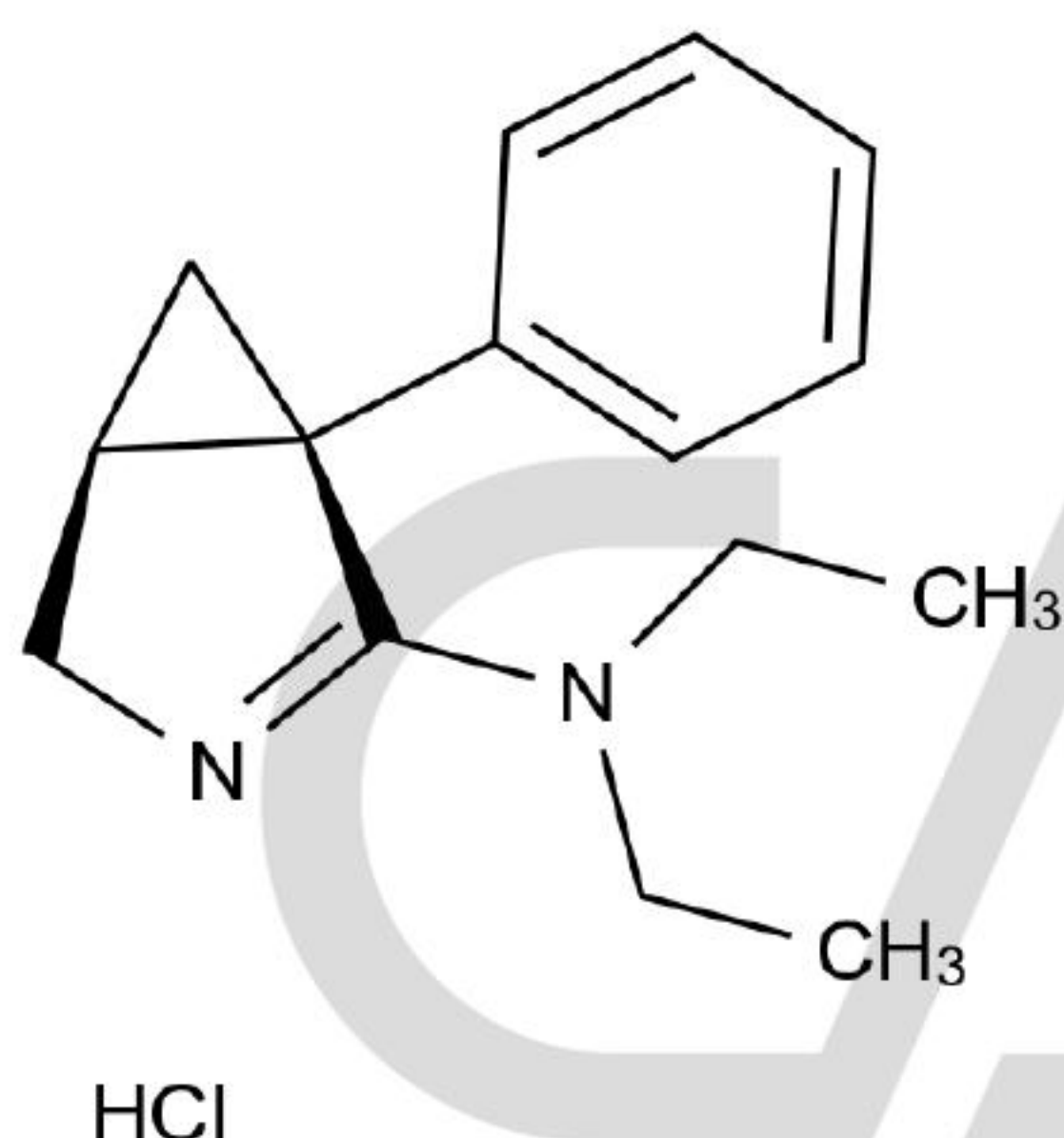


Certificate of Analysis

Reference Material & Standard

Product Name:	Milnacipran Impurity 41 HCl (Mixture of Enantiomers)	Catalogue Number:	C4X-103341
Synonyms:	N/A	Lot Number:	0827-RG-0018
CAS Number:	N/A	Expiry Date:	Mar 11, 2029
Molecular Formula:	C ₁₅ H ₂₀ N ₂ HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	228.33 36.46	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	97.7107%
Loss On Drying	TGA	0.797%
Assay		96.9%

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:

Lily

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Aug 27, 2025

Date: Aug 27, 2025

Date: Aug 27, 2025



Add: 3rd Floor, Building B, No.179, Guangpu Rd East, Huangpu District, Guangzhou, China

Tel: +86-20-81960175

Email: supports@cato-chem.com

Web: <https://www.cato-chem.com>

