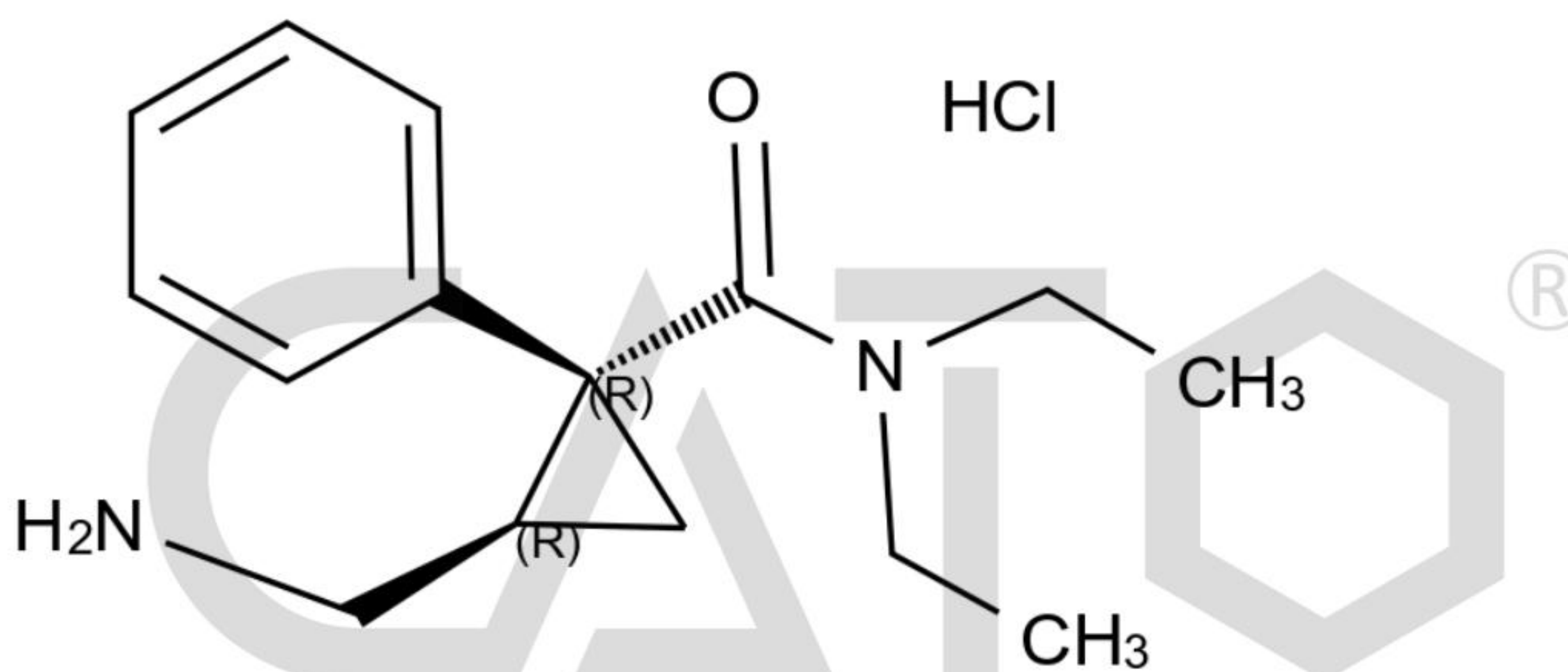


Certificate of Analysis

Reference Material & Standard

Product Name:	Milnacipran Impurity 19 (And Enantiomer)	Catalogue Number:	C4X-103319
Synonyms:	N/A	Lot Number:	0707-RG-0041
CAS Number:	105310-47-2	Expiry Date:	Jul 01, 2028
Molecular Formula:	C ₁₅ H ₂₂ N ₂ O HCl	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	246.35 36.46	Shipping Condition:	Shipping with Ice Packs

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.5910%
Loss on Drying	TGA	9.578%
Assay		90.1%

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:

Jim

Reviewed by:

Hin Lam

Approved by General Manager:

David

Date: Apr 30, 2026

Date: Apr 30, 2026

Date: Apr 30, 2026



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