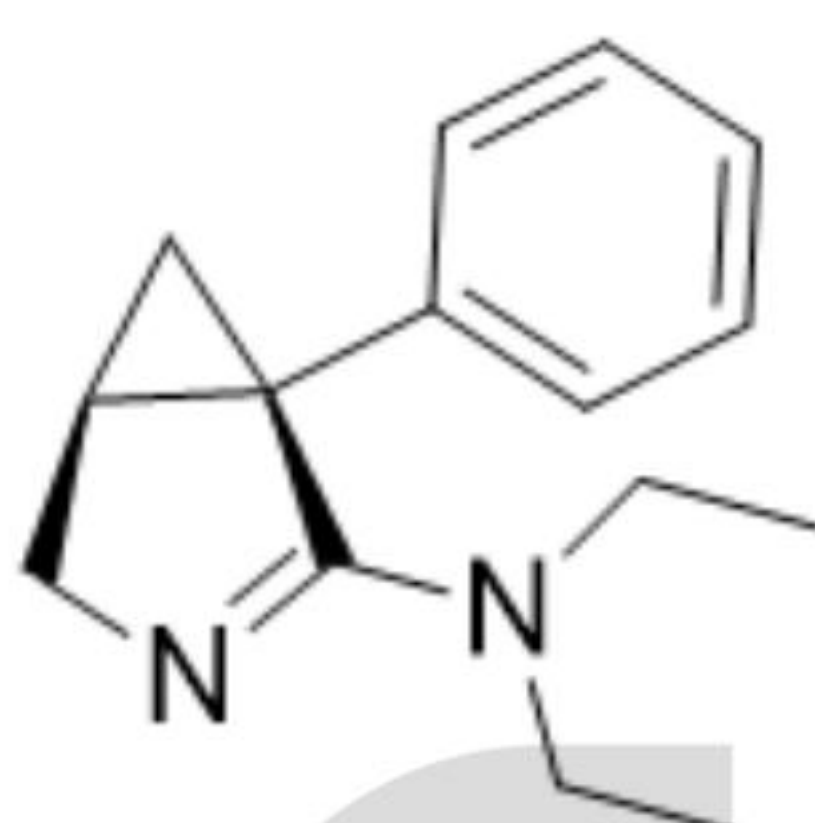


Certificate of Analysis

Reference Material & Standard

Product Name:	Milnacipran Impurity 23	Catalogue Number:	C4X-103323
Synonyms:	N/A	Lot Number:	0519-RE-0024
CAS Number:	N/A	Expiry Date:	May 15, 2026
Molecular Formula:	C ₁₅ H ₂₀ N ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	228.33		

Chemical Structure:



and enantiomer

Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Liquid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.9748%
Water Content	Karl Fischer	1.1%
Residual Solvents	NMR	0.7% methanol
Assay		98.2%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Water Content - Residual Solvents) * Purity HPLC (%) / 100%

Water Content and Residual Solvents are considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Lily

Reviewed by:

Hinlam

Approved by General Manager:

David

Date: Nov 04, 2024

Date: Nov 04, 2024

Date: Nov 04, 2024

