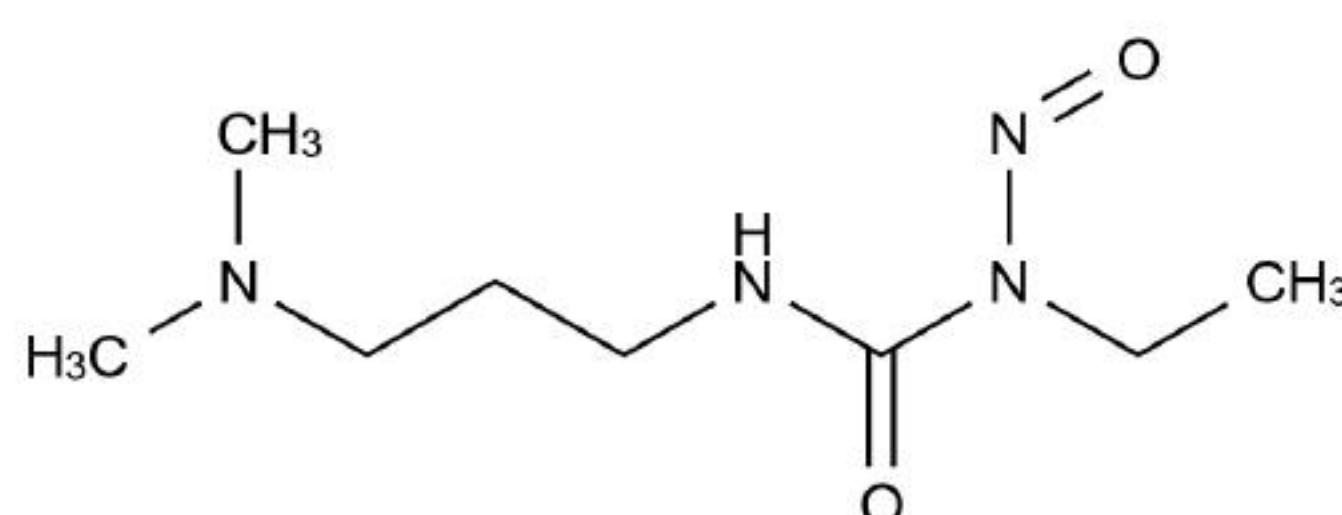


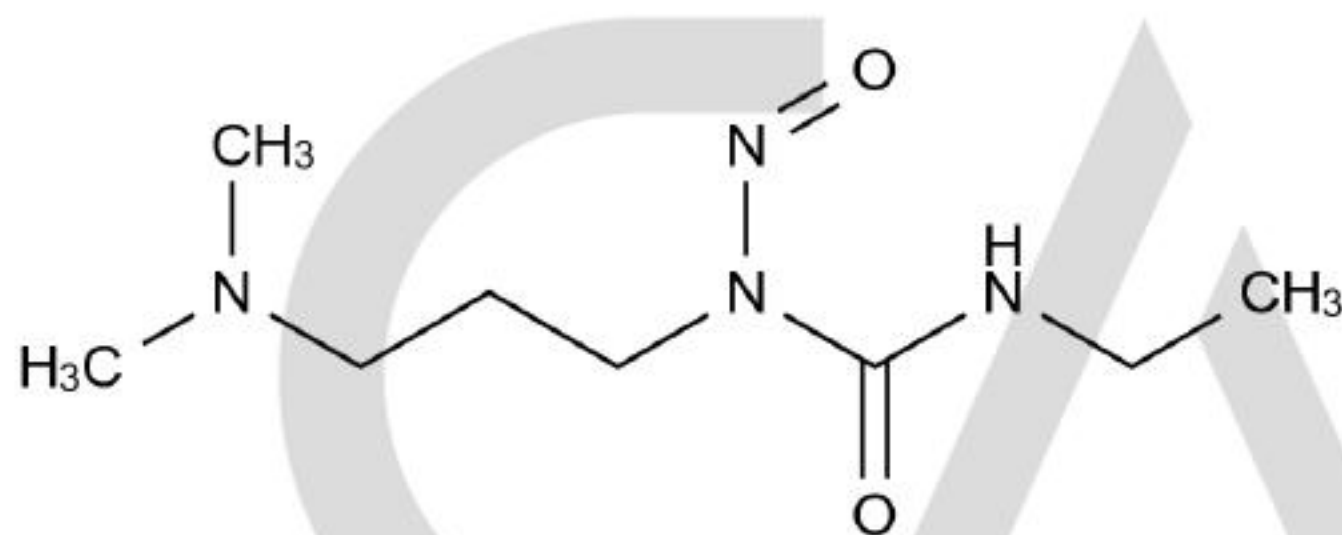
Certificate of Analysis

Reference Material & Standard

Product Name:	Mirabegron Impurity 123	Catalogue Number:	C4X-1032123
Synonyms:	N/A	Lot Number:	0623-RG-0016
CAS Number:	N/A	Expiry Date:	Jun 12, 2028
Molecular Formula:	2*C ₈ H ₁₈ N ₄ O ₂	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	2*202.25		



Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Orange Oil
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.4961%
Water Content	Karl Fischer	4.438%
Residual Solvents	NMR	1.75% tetrahydrofuran
Assay		93.3%

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: Jun 24, 2025

Date: Jun 24, 2025

Date: Jun 24, 2025

