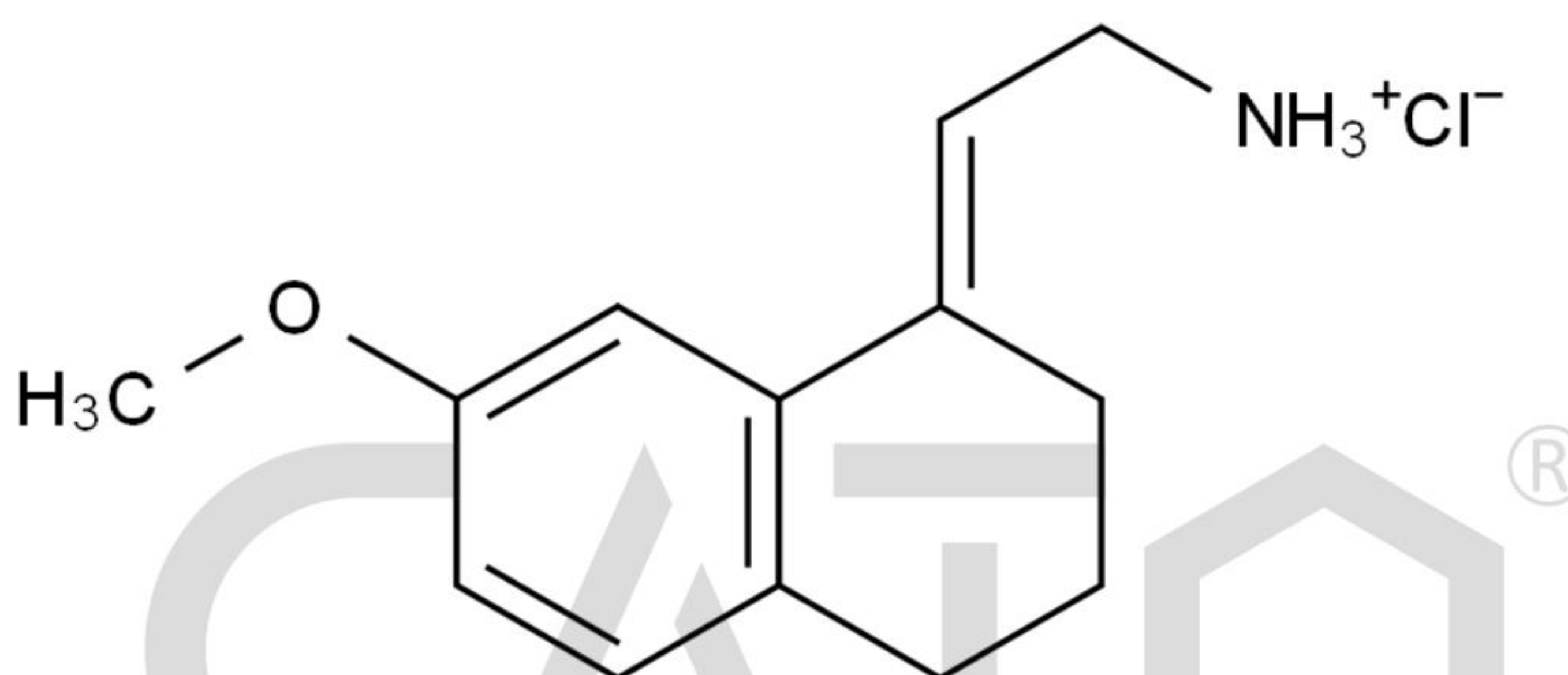


Certificate of Analysis

Reference Material & Standard

Product Name:	Agomelatine Impurity 21	Catalogue Number:	C4X-110821
Synonyms:	N/A	Lot Number:	1101-RF-0028
CAS Number:	1371535-54-4	Expiry Date:	Oct 24, 2027
Molecular Formula:	C ₁₃ H ₁₈ NO Cl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	204.29 35.45		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.277%
Water Content	Karl Fischer	0.08%
Residual Solvents	NMR	0.12% acetonitrile
Assay		98.1%

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:

Hin Lam

Approved by General Manager:

David

Date: Nov 06, 2024

Date: Nov 06, 2024

Date: Nov 06, 2024

