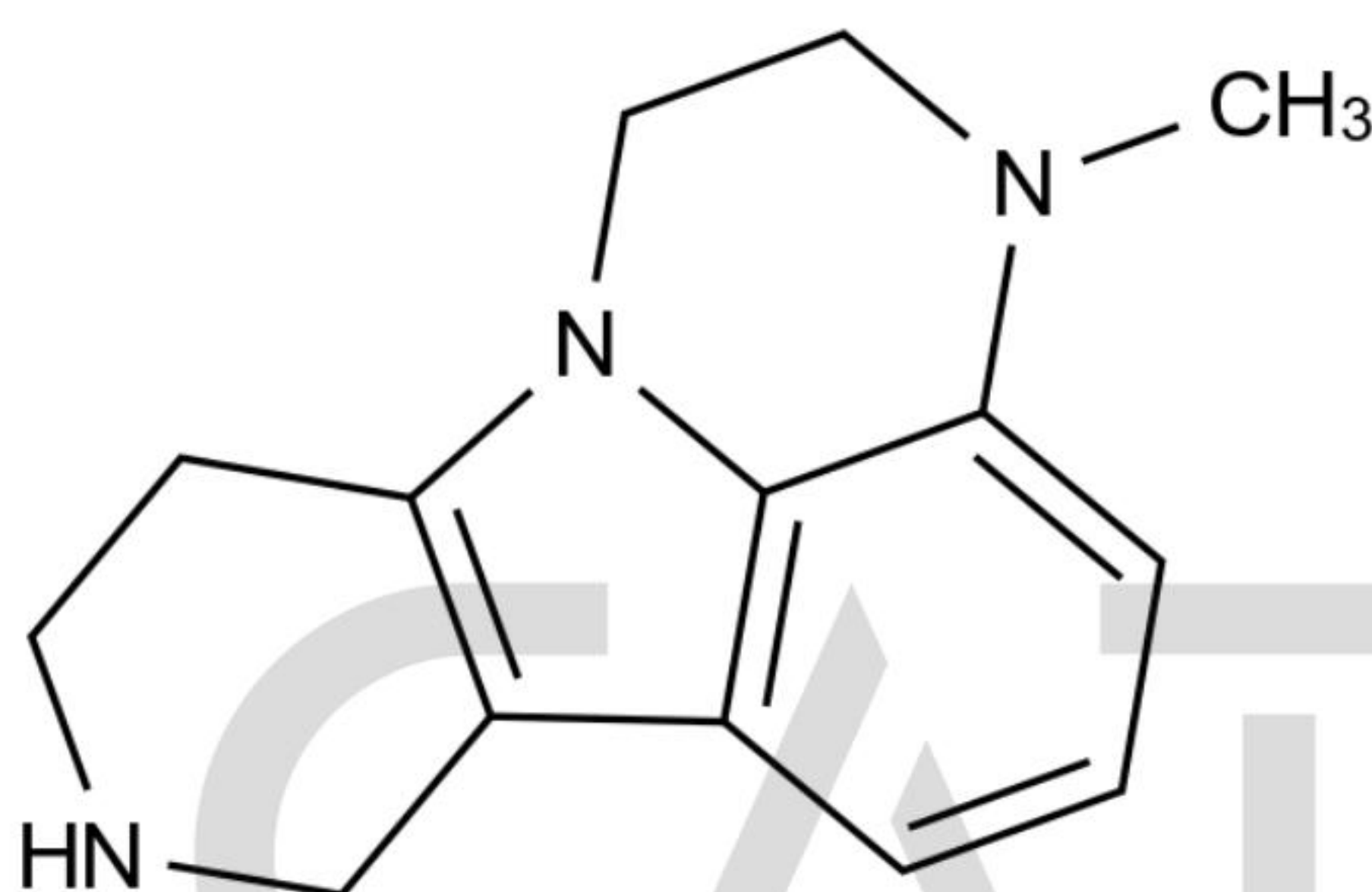


Certificate of Analysis

Reference Material & Standard

Product Name:	Lumateperone Impurity 14	Catalogue Number:	C4X-220114
Synonyms:	N/A	Lot Number:	0812-RF-0016
CAS Number:	1576240-09-9	Expiry Date:	Jan 31, 2027
Molecular Formula:	C ₁₄ H ₁₇ N ₃	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	227.30		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.177%
Water Content	Karl Fischer	0.07%
Residual Solvents	NMR	Not detected in NMR
Assay		99.1%

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:

Hinlam

Approved by General Manager:

David

Date: Aug 12, 2024

Date: Aug 12, 2024

Date: Aug 12, 2024

