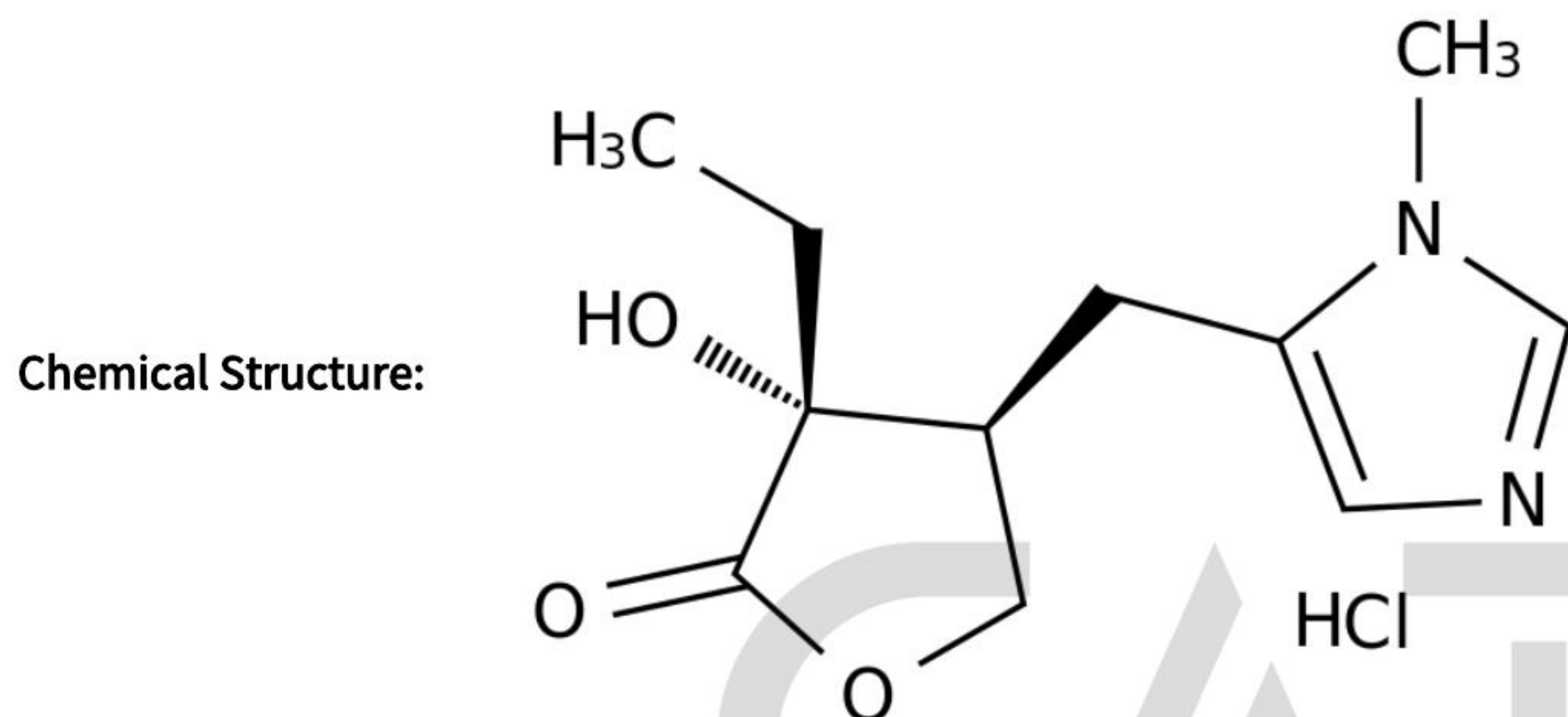


Certificate of Analysis

Reference Material

Product Name:	3-Hydroxy Pilocarpine HCl	Catalogue Number:	C4X-240113
Chemical Name:	N/A	Lot Number:	0426-RD-0027
CAS Number:	N/A	Expiry Date:	Dec 22, 2024
Molecular Formula:	C ₁₁ H ₁₆ N ₂ O ₃ HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	224.26 36.46		



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	100.0000%
Water Content	Karl Fischer	0.2%
Residual Solvents	NMR	0.2% methanol and 0.2% acetone
Optical Rotation		[α] _D ^{25.0} (c=0.52, H ₂ O): +14.6°
Assay		99.4%

Comment:

The calculation of the 100% method follows the formula:

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:

Hin Lam

Reviewed by:

Cady

Aporoved by General manager:

David

Date: Dec 27, 2021

Date: Apr 29, 2022

Date: Apr 29, 2022

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