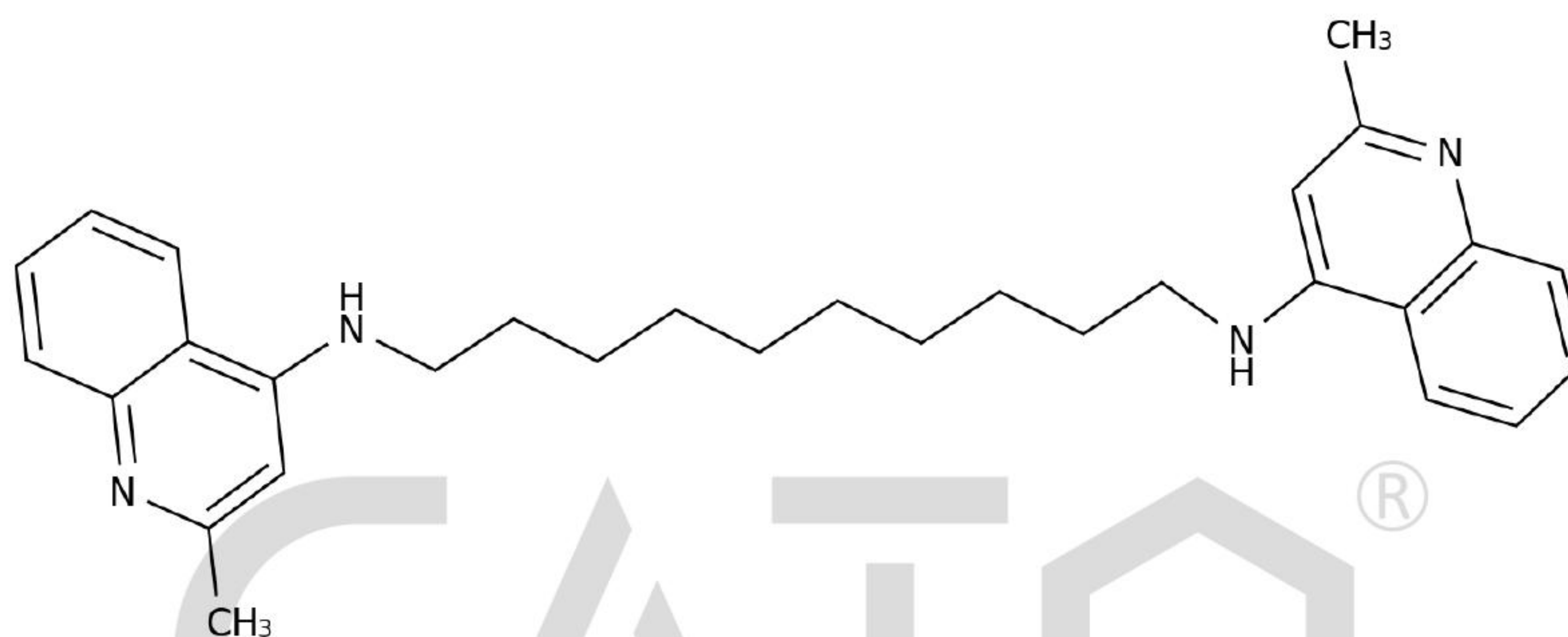


Certificate of Analysis

Reference Material

Product Name:	Dequalinium Impurity 7	Catalogue Number:	C4X-19367
Chemical Name:	N/A	Lot Number:	1012-RD-0006
CAS Number:	19056-26-9	Expiry Date:	Sep 26, 2025
Molecular Formula:	C30H38N4	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	454.65		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Pale Yellow Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	98.0085%
Water Content	Karl Fischer	0.1%
Residual Solvents	NMR	0.4% methanol and 0.1% dichloromethane
Assay		97.4%

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:

Hinlam

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Sep 27, 2022

Date: Oct 14, 2022

Date: Oct 14, 2022

