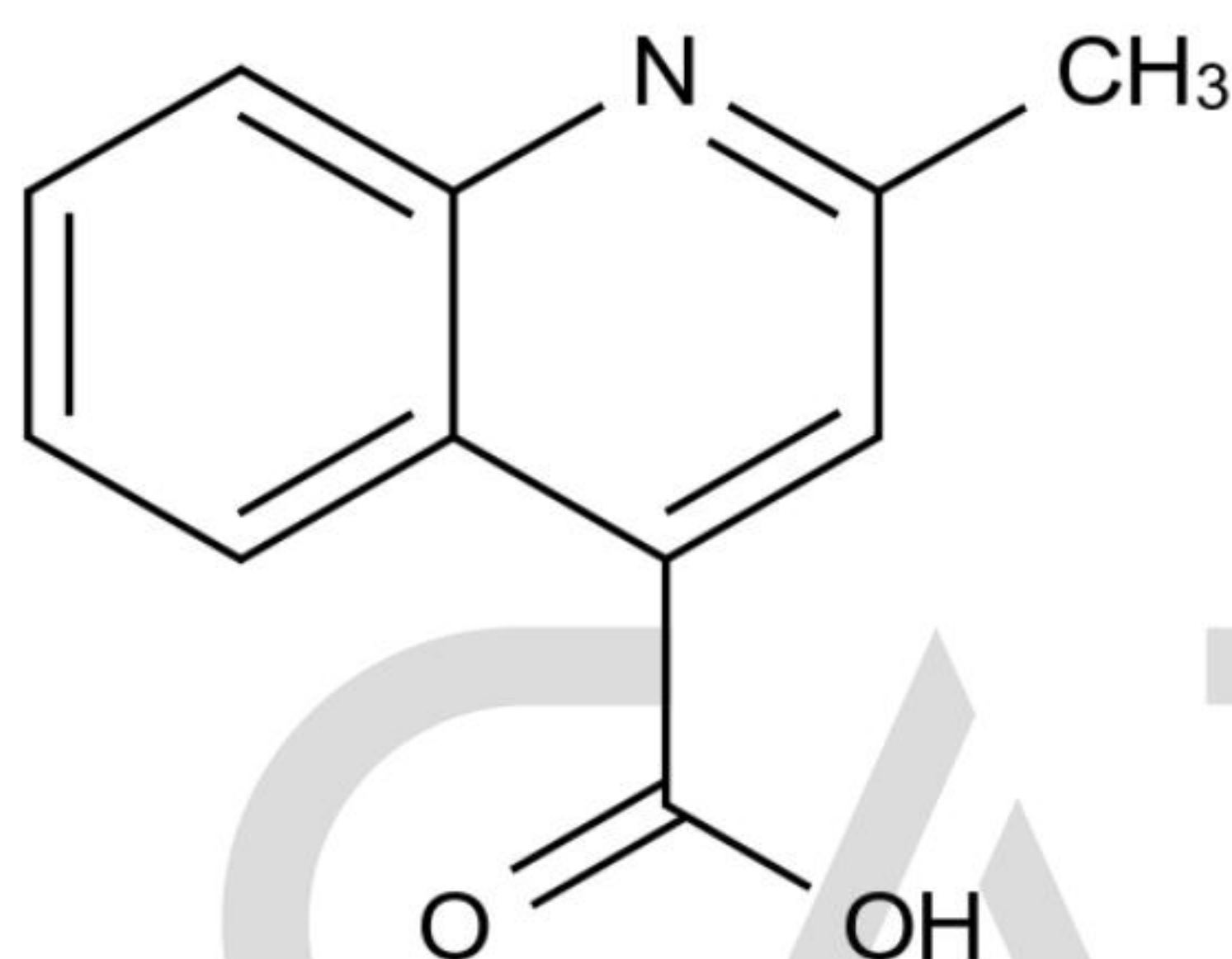


Certificate of Analysis

Reference Material & Standard

Product Name:	Dequalinium Impurity 13	Catalogue Number:	C4X-193613
Synonyms:	N/A	Lot Number:	0515-RG-0017
CAS Number:	634-38-8	Expiry Date:	May 21, 2028
Molecular Formula:	C ₁₁ H ₉ NO ₂	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	187.19		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	99.943%
Loss On Drying	TGA	0.7141%
Assay		99.2%

Comment:

The calculation of the 100% method follows the formula (calculated on the non-dried basis):

Assay (%) = (100% - Loss On Drying) * Purity HPLC (%) / 100%

Loss On Drying is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Nice

Reviewed by:

Koi

Approved by General Manager:

David

Date: May 22, 2025

Date: May 22, 2025

Date: May 22, 2025

