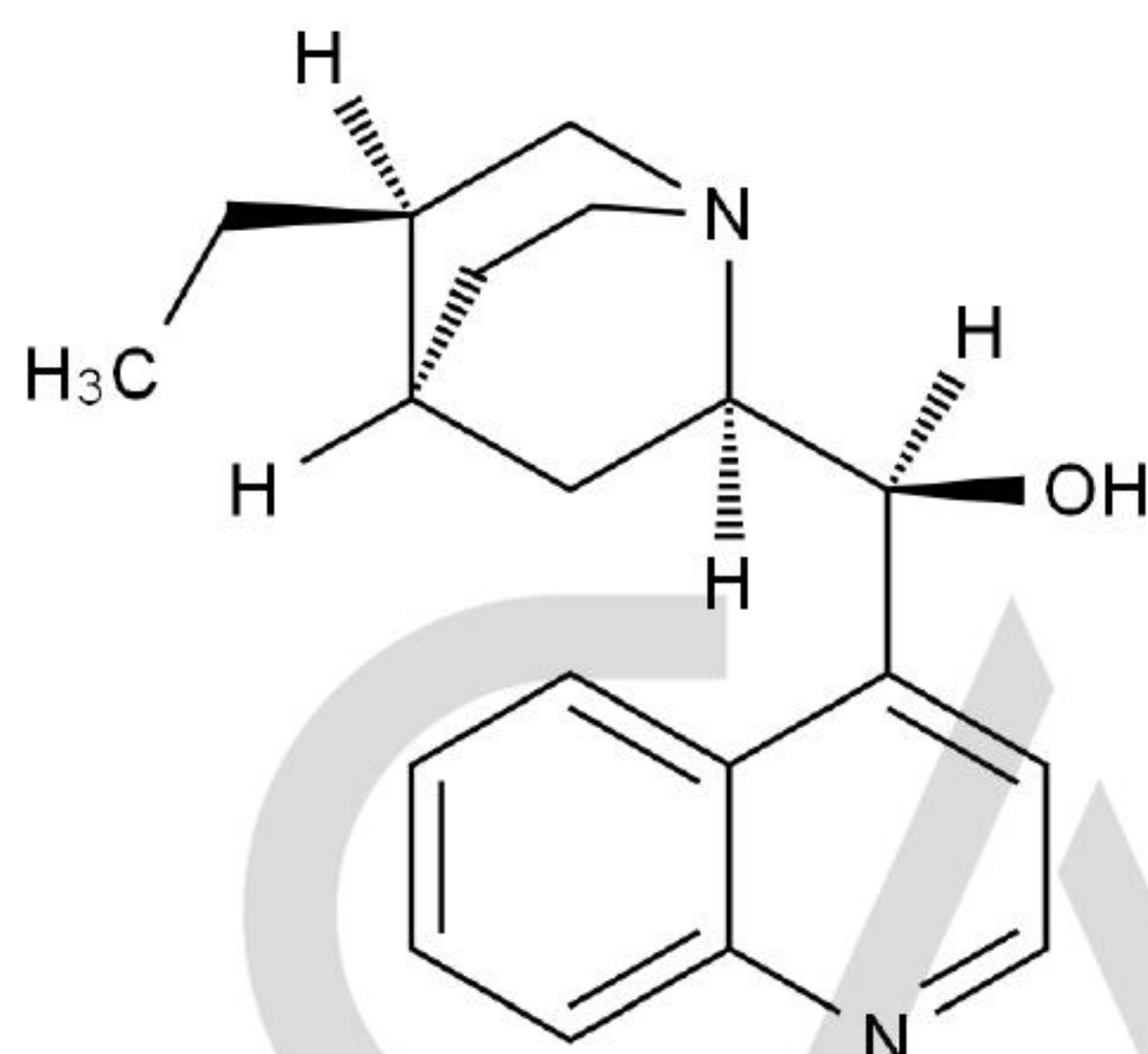


Certificate of Analysis

Reference Material & Standard

Product Name:	Quinidine Impurity 3	Catalogue Number:	C4X-27503
Synonyms:	Hydrocinchonine	Lot Number:	1022-RB-0012
CAS Number:	485-65-4	Expiry Date:	Aug 01, 2027
Molecular Formula:	C ₁₉ H ₂₄ N ₂ O	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	296.41	Warning:	

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	Off-White Solid
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	98.814%
Loss On Drying	TGA	0.1322%
Assay		98.7%

Comment:

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

$\text{Assay (\%)} = (100\% - \text{Loss On Drying}) * \text{Purity HPLC (\%)} / 100\%$

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: Aug 02, 2024

Date: Aug 02, 2024

Date: Aug 02, 2024

