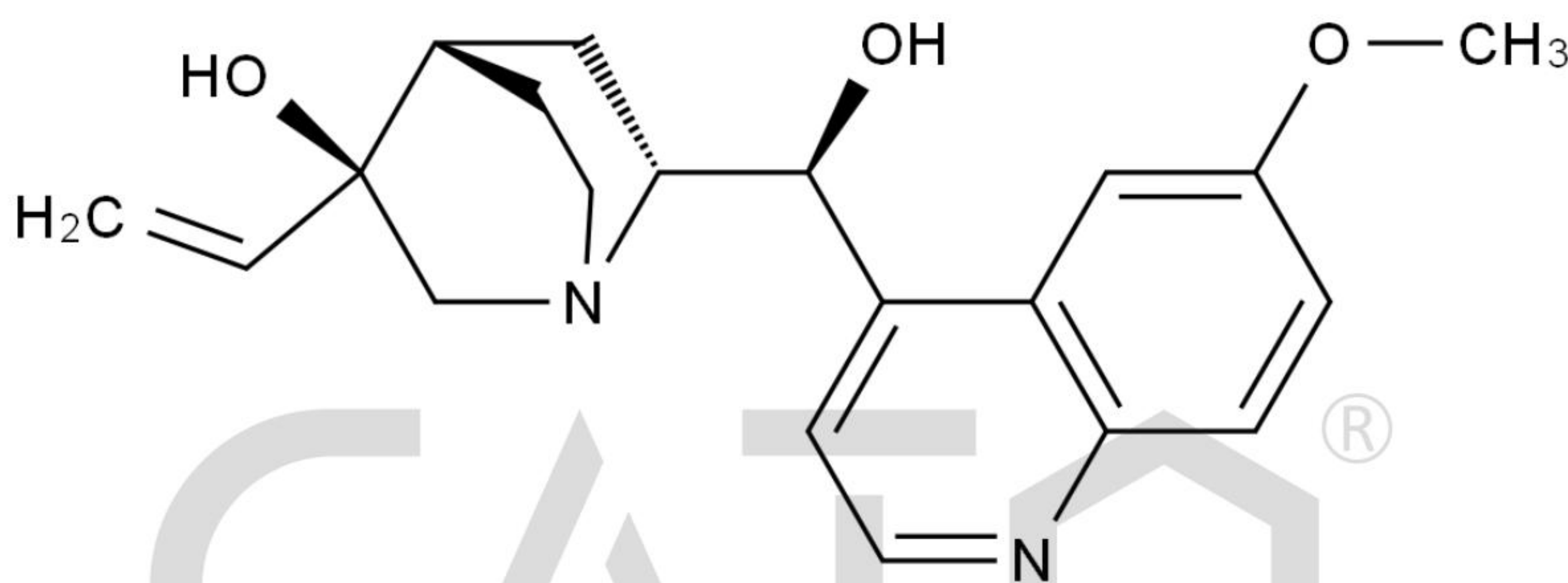


Certificate of Analysis

Reference Material

Product Name:	(3S)-3-Hydroxy Quinidine	Catalogue Number:	CP139555
Chemical Name:	N/A	Lot Number:	0923-RD-0001
CAS Number:	53467-23-5	Expiry Date:	Sep 05, 2025
Molecular Formula:	C ₂₀ H ₂₄ N ₂ O ₃	Storage:	-20°C±5°C Protected from light and Sealed
Molecular Weight:	340.43		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White to Off-White Solid
Identification	LCMS&IR&HNMR	Confirmed
Purity	HPLC	99.1944%
Water Content	Karl Fischer	1.4%
Residual Solvents	NMR	1.1% diethyl ether and 0.3% methanol
Optical Rotation		[α] _D ^{25.0} (c=0.38, CH ₃ OH): +243.5°
Assay		96.4%

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:

Hin Lam

Reviewed by:

Xenia

Aproved by General manager:

David

Date: Sep 05, 2022

Date: Sep 29, 2022

Date: Sep 29, 2022

