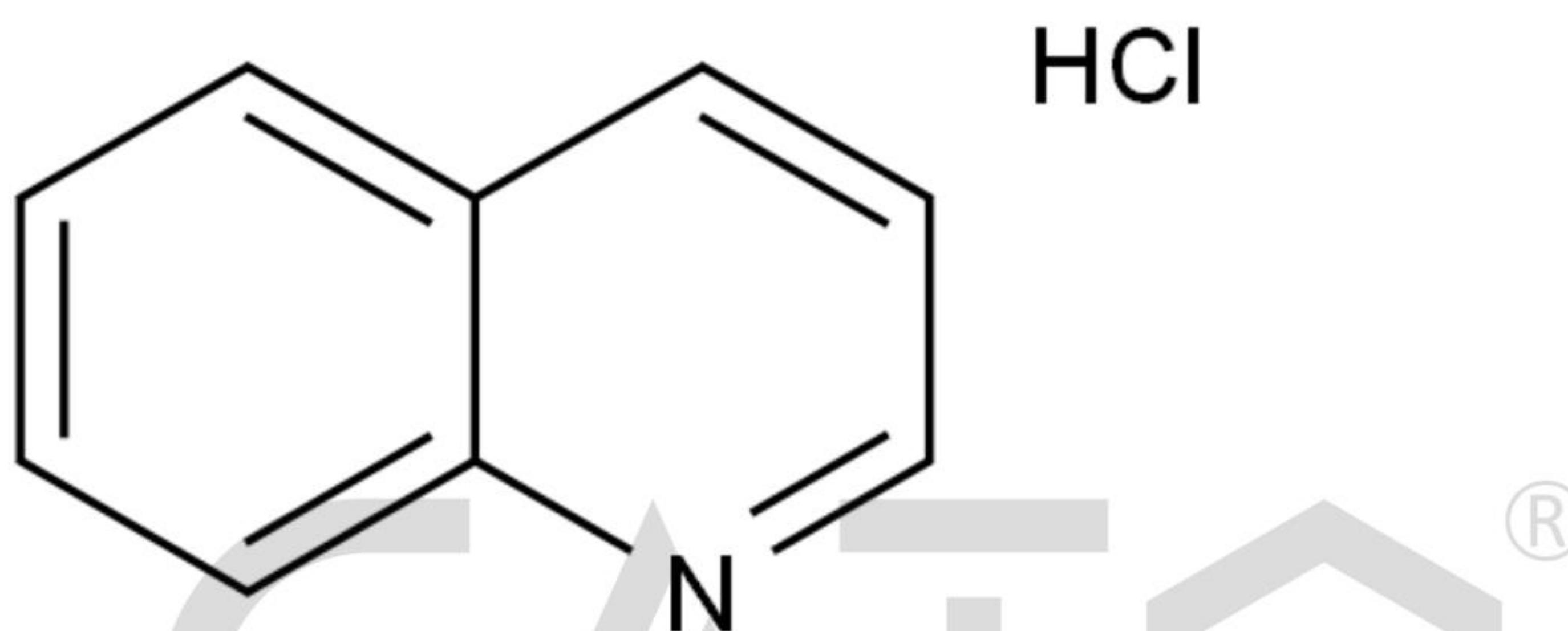


Certificate of Analysis

Reference Material

Product Name:	Quinoline HCl	Catalogue Number:	C3D-2235
Chemical Name:	N/A	Lot Number:	1020-RD-0054
CAS Number:	530-64-3	Expiry Date:	Oct 27, 2025
Molecular Formula:	C ₉ H ₇ N HCl	Storage:	2°C ~ 8°C Protected from light and Sealed
Molecular Weight:	129.16 36.46		

Chemical Structure:



Test Items	Method	Results
Appearance	Visual inspection	White Powder
Identification	LCMS&HNMR	Confirmed
Purity	HPLC	100.000%
Water Content	Karl Fischer	4.9092%
Assay		95.1%

Comment:

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

Assay (%) = (100% - Water Content) * Purity HPLC (%) / 100%

Water Content is considered as absolute effect, HPLC purity is considered as relative effect.

Signature:

Prepared by:

Debia

Reviewed by:

Hinlam

Aporoved by General manager:

David

Date: Oct 28, 2022

Date: Oct 31, 2022

Date: Oct 31, 2022

