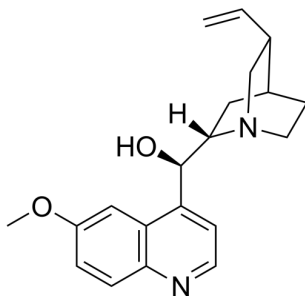


Certificate of Analysis

Compound Information

Product Name:	Quinine
Cat. No.:	1019538
CAS No.:	130-95-0
Molecular Formula:	C ₂₀ H ₂₄ N ₂ O ₂
Molecular Weight:	324.42
Chemical Structure:	



Batch Information

Batch No.:	Lb1120011
Storage:	2-8°C, protect from light, stored under nitrogen
Test Date:	2018-11-20
Retest Date:	2021-11-19
Origin:	Shanghai, China

QC Summary

Appearance:	White to off-white (Solid)
¹ H NMR Spectrum:	Consistent with structure
Optical Rotation:	Consistent with structure
Purity (NMR):	≥97.0%
Conclusion:	The product has been tested and complies with the given specifications.

Caution: Research use only and are not intended for human use.

Tel: 400-821-0725

E-mail: product@leyan.com

Address: No. 1999 Zhangheng Road, Building 3, Zhangjiang High-Tech Park, Shanghai