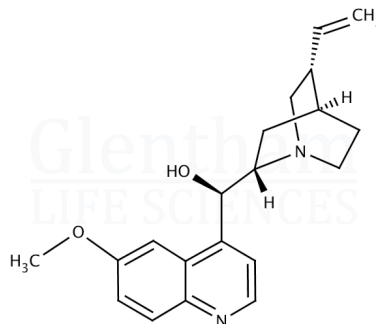


Certificate of Analysis

Product Name Quinine, anhydrous
Glentham Code GE6508
CAS Number 130-95-0
EINECS 205-003-2
MDL Number MFCD00198096
PubChem SID 310279536
Batch Number 311SYX

Molecular Weight 324.42
Molecular Formula $C_{20}H_{24}N_2O_2$
Storage Temp. +20°C



Property	Specification	Batch 311SYX
Physical Description	White to off-white powder or crystals	White powder
Identification (IR)	To conform to standard	Conforms
Melting Point	174.0 - 179.0 °C	177.5°C
Specific Optical Rotation ($[\alpha]_{20/D}$)	-160.0 - -170.0 ° (c=2, ethanol)	-166.0°
Purity (HPLC)	≥ 96.0%	96.7%

Specification Version v1.1
Manufacture Date 2024-10-23
Re-Test Date 2029-10-14

Glentham Life Sciences confirm that the above referenced product conformed to the information displayed in this document on the quality release date. Please check www.glentham.com or contact us using the details above for the current version of this document.

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