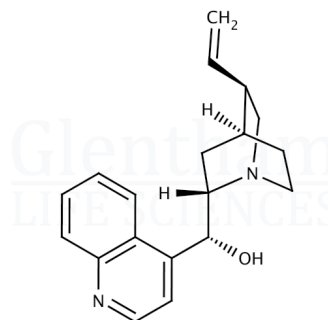


Certificate of Analysis

Product Name Cinchonidine
Glenthams Code GP1244
CAS Number 485-71-2
EINECS 207-622-3
MDL Number MFCD00006783
PubChem SID 310270265
Batch Number 252NFW

Molecular Weight 294.39
Molecular Formula $C_{19}H_{22}N_2O$
Storage Temp. +20°C



Property	Specification	Batch 252NFW
Physical Description	White to almost white crystalline powder	Conforms
Identification	To pass test	Conforms
pH (1% solution)	7.0 - 9.0	8.8
Loss on Drying	≤ 1.0%	0.1%
Specific Optical Rotation	-162 - -189 °	-179°
Other Cinchona Alkaloids	≤ 5.0% (inc. Quinine and Hydroquinone)	0.5%
Sulphated Ash	≤ 0.1%	Conforms
Heavy Metals	≤ 10ppm	Conforms
Chloride	≤ 200ppm	Conforms
Sulphate	≤ 500ppm	Conforms
Melting Point	200 - 207 °C	205°C
Assay	99.0 - 101.0 %	99.6%

Specification Version v1.0
Manufacture Date 2014-11-04
Re-Test Date 2025-02-13

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

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