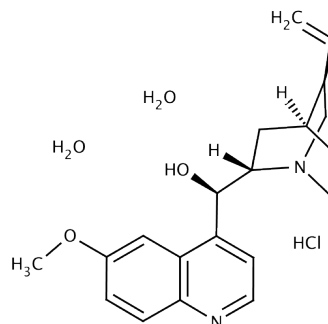


Product Specification

Product Name : Quinine hydrochloride dihydrate
Glentham Code : GA8217
CAS Number : 6119-47-7
EINECS : 205-001-1
MDL Number : MFCD00078498
Additional CAS : 130-89-2
Additional CAS : 60-93-5 (-2HCl)
PubChem SID : 310279542

Molecular Weight : 396.91
Molecular Formula : $C_{20}H_{24}N_2O_2 \cdot HCl \cdot 2H_2O$
Storage Temp. : +20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification	Identification tests A, B, C, D, E
Appearance of Solution	Clear, and colour $\leq Y_6$
pH (1% in water)	6.0 - 6.8
Specific Optical Rotation	-245 - -258 °
Other Cinchona Alkaloids	Dihydroquinine hydrochloride: $\leq 10.0\%$ Any impurity eluted before quinine: $\leq 5.0\%$ Any Other Impurity: $\leq 2.5\%$
Loss on Drying	6.0 - 10.0 %
Sulphated Ash	$\leq 0.1\%$
Sulphates	$\leq 500\text{ppm}$
Barium Test	No turbidity produced
Heavy Metals	$\leq 10\text{ppm}$
Assay	99.0 - 101.0 %
Pharmacopoeia Specification(s)	Conforms to BP, EP

Specification Version : v1.0
Date Created : 2015-07-07

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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