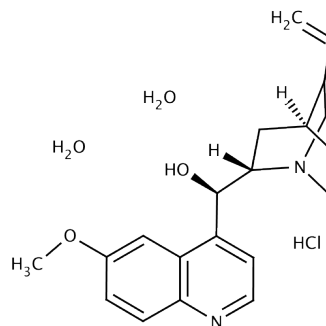


Product Specification

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 ₂ O ₂ · HCl · 2H ₂ O
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 ≤ Y6
pH (1% in water)	6.0 - 6.8
Specific Optical Rotation	-245 - -258 °
Other Cinchona Alkaloids	Dihydroquinine hydrochloride: ≤ 10.0% Any impurity eluted before quinine: ≤ 5.0% Any Other Impurity: ≤ 2.5%
Loss on Drying	6.0 - 10.0 %
Sulphated Ash	≤ 0.1%
Sulphates	≤ 500ppm
Barium Test	No turbidity produced
Heavy Metals	≤ 10ppm
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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