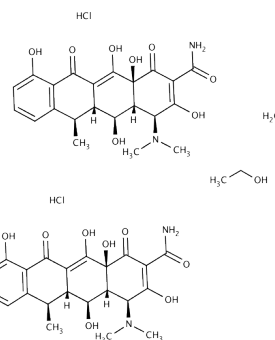


Product Specification

Product Name	Doxycycline hyclate
Glentham Code	GA1726
CAS Number	24390-14-5
MDL Number	MFCD07357237
Additional CAS	10592-13-9 (· HCl)
Additional CAS	564-25-0
PubChem SID	310272426
Molecular Weight	512.94
Molecular Formula	C ₂₂ H ₂₄ N ₂ O ₈ · HCl · 0.5H ₂ O · 0.5C ₂ H ₆ O
Storage Temp.	+4°C



Property	Specification
Physical Description	Yellow, crystalline powder, hygroscopic
Identification	EP
pH (1% solution)	2.0 - 3.0
Specific Optical Rotation	-105 - -120 °
Specific Absorbance	300 - 335 (at 349nm)
Light-Absorbing Impurities	≤ 0.07 (at 490nm)
Related Substances	6-Epidoxycycline: ≤ 2.0%
	Metacycline: ≤ 2.0%
	Any Individual Impurity: ≤ 0.5%
Ethanol	4.3 - 6.0 %
Heavy Metals	≤ 50ppm
Water	1.4 - 2.8 %
Sulphated Ash	≤ 0.4%
Assay	95.0 - 102.0 % (C ₂₂ H ₂₅ CIN ₂ O ₈ , anhydrous basis)
Pharmacopoeia Specification(s)	EP

Specification Version	-	v1.0
Date Created	-	2014-10-06

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2021