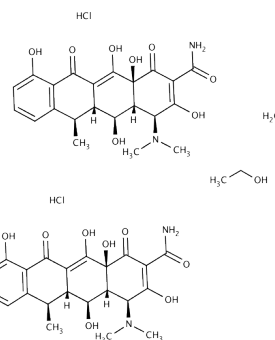


Product Specification

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 : $C_{22}H_{24}N_2O_8 \cdot HCl \cdot 0.5H_2O \cdot 0.5C_2H_6O$
 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 % ($C_{22}H_{25}ClN_2O_8$, 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.

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