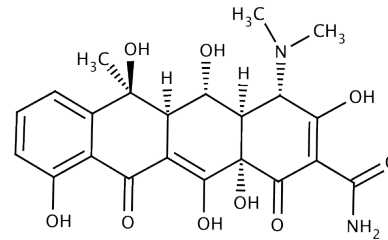


Product Specification

Product Name : Oxytetracycline dihydrate
Glentham Code : GA7172
CAS Number : 6153-64-6
EINECS : 201-212-8
MDL Number : MFCD00151234
Additional CAS : 79-57-2 (anhydrous)
PubChem SID : 310278451



Molecular Weight : 496.46
Molecular Formula : C₂₂H₂₄N₂O₉ · 2H₂O
Storage Temp. : +20°C

Property	Specification
Physical Description	Yellow crystalline powder
Identification	TLC
pH (1% in water)	4.5 - 7.5
Specific Optical Rotation	-203 - -216 °
Absorbance	353nm: 290 - 310 430nm: ≤ 0.25 490nm: ≤ 0.20
Related Substances	4-epioxytetracycline: ≤ 0.5% 2-Acetyl-2-decarbamoxyloxytetracycline: ≤ 2.0% Tetracycline: ≤ 2.0%
Heavy Metals	≤ 50ppm
Water	6.0 - 9.0 %
Sulphated Ash	≤ 0.5%
Assay	95.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	BP
Specification Version	: v1.0
Date Created	: 2014-12-19

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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