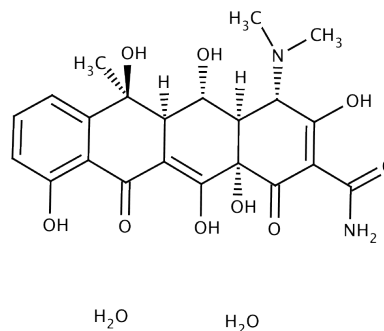


Product Specification

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	C ₂₂ H ₂₄ N ₂ O ₉ · 2H ₂ O
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-decarbamoxyoxytetracycline: ≤ 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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