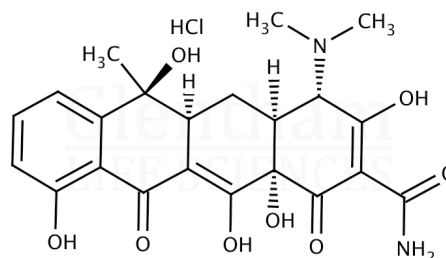


Product Specification

Product Name	Tetracycline hydrochloride, BP, Ph. Eur. grade
Glentham Code	GP9934
CAS Number	64-75-5
EINECS	200-593-8
Numéro MDL	MFCD00078142
Molecular Weight	480.91
Molecular Formula	$C_{22}H_{24}N_2O_8 \cdot HCl$
Storage Temp.	-20°C



Property	Specification
Physical Description	Yellow crystalline powder
Solubility	Soluble in water, slightly soluble in ethanol (96 per cent); practically insoluble in acetone
Identification	A, B, C according to BP, Ph. Eur.
pH	1.8 - 2.8
Specific Optical Rotation	-240 - -255 °
Related Substances (HPLC)	4-Epitetracycline: ≤ 3.0%
	2-Acetyl-2-decarbamoylepianhydrotetracycline: ≤ 1.5%
	Anhydrotetracycline: ≤ 0.5%
	4-Epianhydrotetracycline: ≤ 0.5%
Heavy Metals	≤ 50ppm
Loss on Drying	≤ 2.0%
Residue on Ignition	≤ 0.5%
Assay (HPLC)	95.0 - 102.0 %
Pharmacopoeia Specification(s)	BP, Ph. Eur.

Specification Version	- v1.0
Date Created	- 2019-12-02

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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