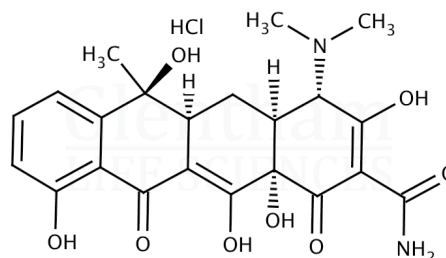


## Product Specification

Product Name	Tetracycline hydrochloride, BP, Ph. Eur. grade
Glentham Code	GP9934
CAS Number	64-75-5
EINECS	200-593-8
MDL Number	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](http://www.glentham.com) or contact us using the details above for the current version of this document.

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