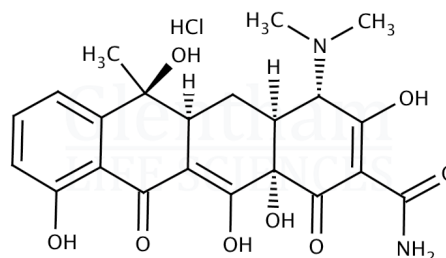


## Product Specification

Product Name	Tetracycline hydrochloride, USP grade
Glentham Code	GP3828
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 powder
Identification (IR)	To conform to standard
Identification	To conform to USP
pH (1% in water)	1.8 - 2.8
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-240.0 - -255.0 ° (c=0.5, 0.1M HCl)
Loss on Drying	≤ 2.0% (60°C, 2h, vac.)
Epitetracycline	≤ 3.0%
4-Epianhydrotetracyclin	≤ 2.0%
Anhydrotetracycline	≤ 0.5%
Crystallinity	To meet the requirements
Potency (dried basis)	≥ 900µg/mg ( $C_{22}H_{24}N_2O_8 \cdot HCl$ )
Pharmacopoeia Specification(s)	USP

Specification Version	-	v1.1
Date Created	-	2022-05-16

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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