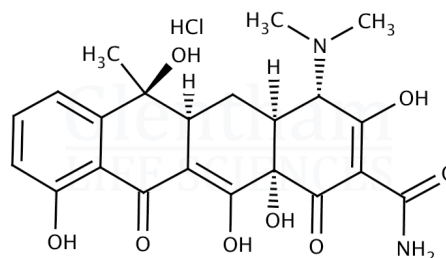


Product Specification

Product Name	Tetracycline hydrochloride, USP grade
Glentham Code	GP3828
CAS Number	64-75-5
EINECS	200-593-8
MDL-Nummer	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 or contact us using the details above for the current version of this document.

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