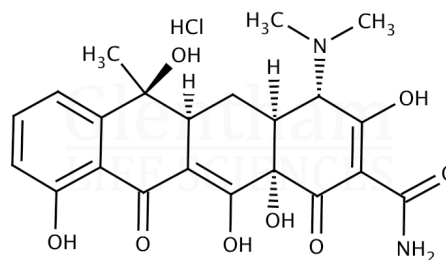


Certificate of Analysis

Product Name	Tetracycline hydrochloride
Glentham Code	GA4323
CAS Number	64-75-5
EINECS	200-593-8
MDL Number	MFCD00078142
PubChem SID	310280702
Batch Number	867DEL
Molecular Weight	480.91
Molecular Formula	$C_{22}H_{24}N_2O_8 \cdot HCl$
Storage Temp.	-20°C



Property	Specification	Batch 867DEL
Physical Description	Yellow powder	Yellow powder
Solubility (5% in water)	Clear, yellow to yellow-orange solution	Clear, yellow solution
pH (1% in water)	1.8 - 2.8	2.6
Specific Optical Rotation ($[\alpha]_{20/D}$)	-240.0 - -255.0 ° (c=1, 0.1M HCl)	-242.9°
Loss on Drying	≤ 2.0% (105°C)	0.6%
Assay	≥ 95.0%	98.6%

Specification Version	v1.2
Manufacture Date	2023-06-27
Re-Test Date	2030-09-27

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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