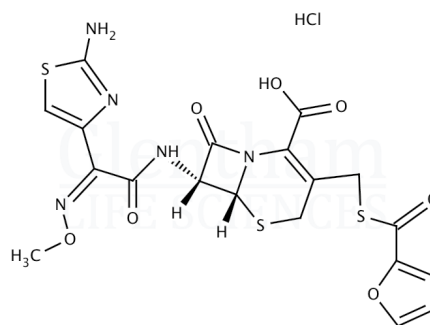


## Certificate of Analysis

Product Name	Ceftiofur hydrochloride
Glentham Code	GA9252
CAS Number	103980-44-5
PubChem SID	310269517
MDL Number	MFCD04038020
Batch Number	700ZVL
Molecular Weight	560.02
Molecular Formula	$C_{19}H_{17}N_5O_7S_3 \cdot HCl$
Storage Temp.	-20°C



Property	Specification	Batch 700ZVL
Physical Description	White, off-white or pale yellow powder	Off-white powder
Identification (IR)	To conform to standard	Conforms
Specific Optical Rotation ( $[\alpha]_{20/D}$ )	-115.0 - -127.0 ° (c=0.5, DMF)	-122.6°
Water (KF)	≤ 5.0%	2.6%
Assay	≥ 97.5%	99.3%

Specification Version	v1.0
Manufacture Date	2022-08-06
Re-Test Date	2029-09-23

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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