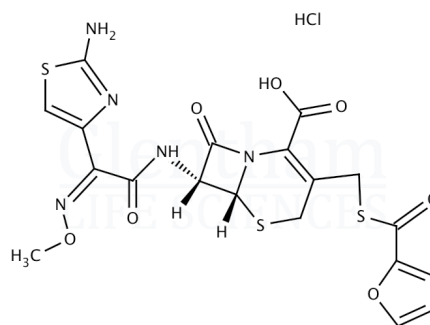


Certificate of Analysis

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 or contact us using the details above for the current version of this document.

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