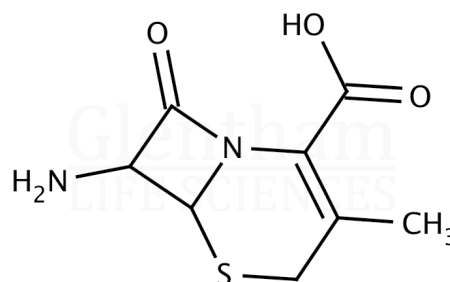


## Certificate of Analysis

Product Name	7-Aminodesacetoxyccephalosporanic acid
Glentham Code	GA9837
CAS Number	22252-43-3
EINECS	247-654-5
MDL Number	MFCD09750368
PubChem SID	310266559
Batch Number	418ZRR
Molecular Weight	214.24
Molecular Formula	$C_8H_{10}N_2O_3S$
Storage Temp.	+4°C



Property	Specification	Batch 418ZRR
Physical Description	White to off-white powder	Off-white powder
Identification	IR	Conforms
Solubility (5% in 1M NH4OH)	Clear to slightly turbid, colourless to yellow or green-yellow solution	Clear, colourless solution
Specific Optical Rotation	+155.0 - +168.0 °	+157.0°
Water	≤ 0.2%	0.08%
Purity (HPLC)	≥ 98.0%	98.7%

Specification Version	v1.1
Manufacture Date	2020-04-16
Re-Test Date	2027-08-05

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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