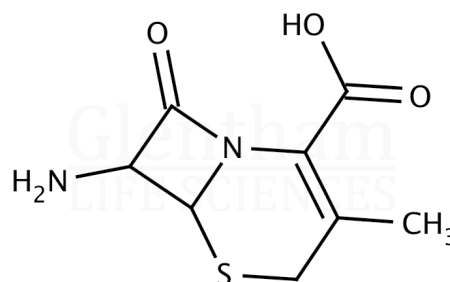


Certificate of Analysis

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

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