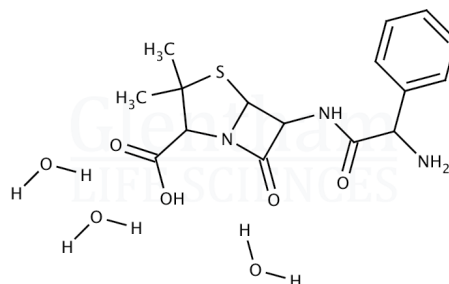


Product Specification

Product Name	Ampicillin trihydrate, Ph. Eur. grade
Glentham Code	GA0211
CAS Number	7177-48-2
EINECS	200-709-7
Numéro MDL	MFCD00072036
CAS supplémentaire	69-53-4 (anhydrous)

Molecular Weight	403.45
Molecular Formula	$C_{16}H_{19}N_3O_4S \cdot 3H_2O$
Storage Temp.	+4°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	To conform to standard
Identification (TLC)	To pass test
Identification	To pass test C
Appearance of Solution	1g + 10ml 1M HCl: colour ≤ Ref. Sus. II 1g + 10ml: 2M NH4OH: colour ≤ Ref. Sus. II
pH (0.25% in water)	3.5 - 5.5
Specific Optical Rotation	+280 - +305 ° (62.5mg in 25ml water, anhy.)
Related Substances (HPLC)	≤ 1.0% (any impurity)
Water	12.0 - 15.0 %
Sulphated Ash	≤ 0.5%
Assay (HPLC)	96.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	Ph. Eur.

Specification Version	- v1.0
Date Created	- 2020-03-10

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.

This document was generated electronically and is therefore valid without signature. © Glentham Life Sciences Ltd, 2025