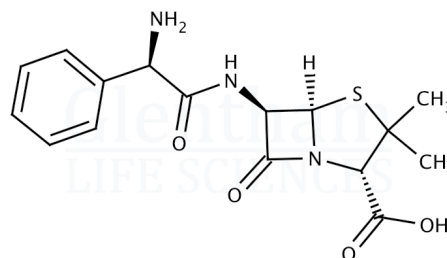


Product Specification

Product Name	Ampicillin, anhydrous, EP grade
Glentham Code	GA5836
CAS Number	69-53-4
EINECS	200-709-7
MDL Number	MFCD00005175
PubChem SID	310266814
Additional CAS	69-52-3 (Na salt)
Additional CAS	7177-48-2 ($\cdot 3H_2O$)

Molecular Weight	349.40
Molecular Formula	$C_{16}H_{19}N_3O_4S$
Storage Temp.	+20°C



Property	Specification
Physical Description	White or almost white crystalline powder
Identification (IR)	To conform to standard
Identification	To pass tests B, C, D
Appearance of Solution	10% in 2N NH_4OH : To pass test
Appearance of Solution	10% in 1N HCl : To pass test
pH (0.25% in water)	3.5 - 5.5
Specific Optical Rotation	+280 - +305 ° (anhydrous basis)
Any Individual Impurity	$\leq 1.0\%$
N,N-Dimethylaniline	$\leq 20ppm$
Sulphated Ash	$\leq 0.5\%$
Water	$\leq 2.0\%$
Assay	96.0 - 102.0 % (anhydrous basis)
Pharmacopoeia Specification(s)	EP grade

Specification Version	- v1.1
Date Created	- 2022-08-18

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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