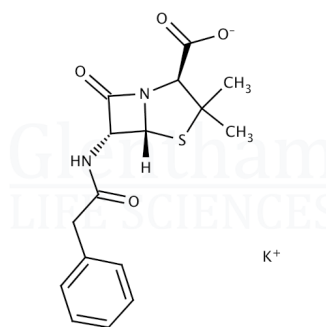


Product Specification

Product Name	Penicillin G potassium salt
Glentham Code	GA2106
CAS Number	113-98-4
EINECS	204-038-0
MDL Number	MFCD00036193
Additional CAS	61-33-6 (free acid)
PubChem SID	310278563
Molecular Weight	372.48
Molecular Formula	$C_{16}H_{17}KN_2O_4S$
Storage Temp.	+4°C



Property	Specification
Physical Description	White to off-white crystalline powder
Identification	A, B, C, D
Solubility	Very soluble in water, practically insoluble in fatty oils and in liquid paraffin
pH	5.5 - 7.5 (2g/20ml in water)
Specific Optical Rotation ($[\alpha]_{20/D}$)	+270 - +300 ° (dried, c=2, water)
Absorbance	264nm: 0.80 - 0.88
	280nm: ≤ 0.10
	325nm: ≤ 0.10
Any Individual Impurity	$\leq 1.0\%$
Loss on Drying	$\leq 1.0\%$
Bacterial Endotoxins	$\leq 0.16IU/mg$
Assay	96.0 - 102.0 % (dried substance)
Pharmacopoeia Specification(s)	BP

Specification Version	-	v1.1
Date Created	-	2021-11-15

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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