



Penicillin G Standard (98%) (DISNJ47)

This product is for research use only and is not intended for diagnostic use.

PRODUCT INFORMATION

Purity	98%
Conjugate	N/A
Cas.No	61-33-6
Applications	ELISA
Molecular Weight	334.39 g/mol
Format	Solid
Size	100 g
Preservative	None
Storage	Store at -20°C

BACKGROUND

Introduction Penicillin G is a broad-spectrum, beta-lactam naturally occurring penicillin antibiotic with antibacterial activity. Penicillin G binds to and inactivates the penicillin binding proteins (PBPs) located inside the bacterial cell wall. Inactivation of PBPs interferes with the cross-linkage of peptidoglycan chains necessary for bacterial cell wall strength and rigidity. This interrupts bacterial cell wall synthesis and results in the weakening of the bacterial cell wall and eventually causing cell lysis.

Keywords Penicillin; Benzylpenicillin; Penicillin G