



# Dihydrostreptomycin Standard (98%) (DISNJ46)

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

## PRODUCT INFORMATION

Purity	98%
Conjugate	N/A
Cas.No	128-46-1
Applications	ELISA
Molecular Weight	730.71 g/mol
Format	Solid
Size	1g
Preservative	None
Storage	Store at -20°C

## BACKGROUND

Introduction	Dihydrostreptomycin is a derivative of streptomycin, aminoglycoside antibiotic, with bactericidal property. Dihydrostreptomycin depends on active transport across the bacterial cell membrane before irreversibly binding S12 protein of the bacterial 30S ribosomal subunit. As a result, this agent interferes with the initiation complex between messenger RNA and the bacterial ribosome thereby causing the misreading of the genetic code resulting in the production of non-functional proteins, consequently leading to bacterial cell death.
Keywords	Dihydrostreptomycin; Streptomycin; Aminoglycoside antibiotic