



## Bacitracin

Broad-spectrum antibiotic, inhibiting protein synthesis

Bacitracin is a member of aminoglycosides and known as a broad-spectrum antibiotic. This antibiotic inhibits protein synthesis through binding to the 30S ribosomal subunit. It is important to note that bacitracin inhibits the activity of DNA polymerase so it can impact the Polymerase Chain Reaction (PCR).

Cat. Number	AS-2033
CAS Number	1405-87-4
MDL Number	MFCD00062640
Pubchem	310267241
Molecular Weight	1422.70 g/mol
Molecular Formula	$C_{66}H_{103}N_{17}O_{16}S$
Storage Temperature	+4 °C
Form and Color	Powder / White to light beige or light yellow
pH (10 kU/ml)	5.5 – 7.5
Loss on Drying	≤ 5%
Identification (IR)	To conform the standard
Heavy Metals	≤ 30 ppm
Bacitracin A	≥ 40%
Bacitracin A+B1+B2+B3	≥ 70%
Potency (Dried basis)	≥ 65 IU/mg