

Antibiotics

Introduction

Antibiotics are key compounds in every microbiology and molecular biology laboratory. This group of products is particularly interesting since it touches one of the hottest topics in today's microbiology research environment – the antimicrobial resistance. Whether you are engineering new bacterial strains or looking at development of antibiotic resistance mechanisms in bacteria, you will find interesting products in our offerings that will advance your research.



Figure 1. Agar plates with antibiotic selection of bacteria

Cas no.	Product code	Product name	Activity	Class
72496-41-4	FP27079	Pirarubicin	DNA synthesis inhibitor	Anthracycline
405165-61-9	BB164241 AB18557	Besifloxacin	DNA replication inhibitor	Fluoroquinolone
115550-35-1	BM164656 FM31948 AM174813	Marbofloxacin	DNA replication inhibitor	Fluoroquinolone
55658-47-4	AB46332	Bleomycin A5	Inducer of DNA strand breaks Glycopeptide antibiotic	Anti-neoplastic
69-33-0	ND06290 W-203540	Tubercidin	RNA and DNA synthesis inhibitor Adenosine analogue	Cytotoxic nucleoside
18378-89-7	AM34906	Mithramycin A	RNA synthesis inhibitor	Anti-neoplastic
18865-48-0	AA65679	Actinomycin V	Inhibitor of RNA synthesis Peptide antibiotic	Anti-neoplastic
1405-10-3	AN10534 N-2515	Neomycin trisulfate hydrate	Interferes with protein synthesis	Aminoglycoside
56-75-7	AC09460	Chloramphenicol	Interferes with protein synthesis	Amphenicol
10592-13-9	BD166411 FD02902	Doxycycline hydrochloride	Anti-protozoal Anti-helminthic Protein synthesis inhibitor	Broad-spectrum antibiotic Tetracycline
60-54-8	FT180092 AT35208 BT166207	Tetracycline	Protein synthesis inhibitor	Tetracycline
22862-76-6	AA10006	Anisomycin	Protein synthesis inhibitor	Pyrolidine
21462-39-5	AC07735 AC178993	Clindamycin hydrochloride	Inhibitor of protein synthesis	Lincosamide
26016-99-9	AF23597 Q-201134	Fosfomycin disodium	Bacterial cell wall biogenesis inhibitor	Broad-spectrum antibiotic
4800-94-6	AC09915 AC180777	Carbenicillin disodium salt	Inhibitor of bacterial cell wall biogenesis	Penicillin
69-52-3	AA44831 A-7700 BA166035	Ampicillin sodium salt	Inhibits bacterial cell wall biogenesis	Penicillin
64485-93-4	AC11346 AC165016	Cefotaxime sodium	Inhibitor of bacterial cell wall biogenesis	Cephalosporin
1405-20-5	AP44829 P-7010	Polymyxin B sulfate	Membrane-disrupting agent	Nonribosomal peptide
103060-53-3	AD15943	Daptomycin	Membrane pore-forming agent Potassium ionophore	Lipopeptide

Our portfolio is subdivided into the [Research Products Division](#) and [Pharmaceutical and Diagnostic Products Division](#). We offer some products in both divisions and also at different grades for different applications. Have a look at the differences between the two divisions [here](#).

About Biosynth

Securing Life Sciences Supply Chains - where Chemistry meets Biology, Products meet Services and Innovation meets Quality, Biosynth is at the Edge of Innovation.

With an unrivalled research product portfolio and end-to-end manufacturing services, we are science led and customer focused to solve problems and deliver key reagents at scale and quality. Our expertise and capability runs across Complex Chemicals, Peptides and Key Biologics all from one trusted partner.