

Research Antibiotic Powders

for biochemistry, molecular biology, tissue culture and microbiology

High purity antibiotic powders in convenient lab pack sizes especially for use in small and medium investigative laboratories and scientific institutes.

These products are most preferred for microbiology, biochemistry, biology, tissue culture and biotechnology applications.

Products not meant for medicinal use

Sr. No.	Product Code	Product Name	CAS Number	Mol. Formula / MW / Assay / Potency / Activity	Solubility Data	Packaging
1	28269	Actinomycin D (AMD)	50-76-0	$C_{62}H_{86}N_{12}O_{16}$ M.W. 1255.45 Assay (UV) – min. 98%	Solubility (readily): ethanol	2mg, 5mg, 25 mg
2	81396	Amikacin (AMK) free base	37517-28-5	$C_{22}H_{43}N_5O_{13}$ M.W. 585.6 Assay – min. 98%	Solubility (readily): water	50mg, 1g, 5g, 25g
3	18036	Amikacin Sulphate (AMKS)	39831-55-5	$C_{22}H_{43}N_5O_{13} \cdot 2H_2SO_4$ M.W. 781.75 Potency – 674µg/mg	Solubility (readily): water	1g, 5g
4	24645	Amoxicillin Trihydrate (AMOT)	61336-70-7	$C_{16}H_{19}N_5O_6 \cdot 3H_2O$ M.W. 419.45 Assay – min. 97%	Solubility (readily): water Insoluble: hexane, benzene, ethyl acetate & acetonitrile	1g, 5g, 10g
5	54713	Amphotericin B (AMT)	1397-89-3	$C_{47}H_{76}NO_{17}$ M.W. 924.09 Potency – min. 750µg/mg	Solubility (readily): DMSO Solubility (slightly): DMF, methanol Insoluble: benzene, ethanol, ether & water	250mg, 1g, 5g
6	61314	Ampicillin Sodium Salt (AMP-Na)	69-52-3	$C_{16}H_{18}N_2O_5Na$ M.W. 371.4 Potency – min. 800µg/mg	Solubility (readily): water	1g, 5g, 25g
7	82904	Ampicillin Trihydrate (AMP)	7177-48-2	$C_{16}H_{19}N_5O_6 \cdot 3H_2O$ M.W. 403.45 Potency – min. 900-1050µg/mg	Solubility (slightly): water Insoluble: ethanol, chloroform & ether	1g, 5g, 10g
8	59070	Azaerythromycin (Azathromycin, Desmethyl Azithromycin) (AZAE)	76801-85-9	$C_{27}H_{37}N_2O_{12}$ M.W. 734.96 Potency – 945-1030µg/mg	Solubility (readily): ethanol, methanol, DMF & water	1g, 5g
9	17156	Azithromycin Dihydrate (AZA)	117772-70-0	$C_{27}H_{37}N_2O_{12}$ M.W. 785.02 Assay – min. 96%	Solubility (readily): DCM & ethanol Insoluble (partially): water	1g, 5g, 10g
10	13741	Aztreonam (AZN)	78110-38-0	$C_{13}H_{17}N_3O_5S_2$ M.W. 435.43 Assay – min. 96%	Solubility (readily): DMSO, DMF, water Solubility (slightly): methanol Solubility (sparingly): ethanol Insoluble: chloroform, ethyl acetate, toluene	100mg
11	17327	Bacitracin (BCT) from Bacillus Licheniformis	1405-87-4	$C_{66}H_{103}N_{17}O_{16} \cdot S \cdot HCl$ M.W. 1422.72 Activity – 50,000U/g	Solubility (readily): water, ethanol, methanol & acetic acid Insoluble: acetone, chloroform & ether	50000units, 250000units
12	20899	Bleomycin Sulfate (BLM-S)	9041-93-4	$C_{55}H_{84}N_8O_{23} \cdot S_2 \cdot H_2SO_4$ M.W. 1415.6 Assay – min. 90%	Solubility (readily): water	10mg, 50mg
13	51879	5-Bromo-5-Nitro-1,3-Dioxane (Bronidox)	30007-47-7	$C_4H_5BrNO_4$ M.W. 212.00 Assay – min. 99%	Solubility (partially): ethanol, methanol Insoluble: water	1g, 5g
14	10566	Carbenicillin Disodium (CBC)	4800-94-6	$C_{17}H_{16}N_2Na_2O_6S$ M.W. 422.4 Assay – min. 90% Potency – min 650µg/mg	Solubility (readily): water & ethanol Insoluble: chloroform & ether	500mg, 1g
15	92063	Cefaclor (CFC)	53994-73-3	$C_{15}H_{13}ClN_2O_4S$ M.W. 367.8 Assay – min. 95%	Solubility (partially): water Insoluble (partially): methanol & dichloromethane	1g
16	15689	Cefadroxil Hydrate (CFD)	66592-87-8	$C_{16}H_{17}N_3O_6 \cdot S \cdot H_2O$ M.W. 381.40 Assay – min. 95%	Solubility (partially): water Insoluble (partially): methanol & dichloromethane	1g
17	85254	Cefaperzone Sodium (CFZ)	62893-20-3	$C_{25}H_{26}N_4NaO_6S_2$ M.W. 667.65 Potency – min. 870-1015µg/mg	Solubility (readily): water & methanol Solubility (slightly): ethanol	1g, 5g, 10g

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18	14299	Cefazolin Sodium Salt (CFZL)	27164-46-1	$C_{14}H_{13}N_3NaO_5S_3$ M.W. 476.49 Assay - min. 89.1-110%	Solubility (readily): water, DMF, pyridine & dioxane, Solubility (slightly): methanol ethanol, Insoluble: acetone, chloroform, benzene & ether	100mg, 500mg
19	13910	Cefixime (CFX)	79350-37-1	$C_{16}H_{15}N_3O_7S_2$ M.W. 453.46 Potency – min. 950-1030µg/mg	Solubility (slightly): water, ethanol & methanol Insoluble: ethyl acetate	1g, 5g
20	58597	Cefoxitin Sodium (CTX)	33564-30-6	$C_{16}H_{18}N_3NaO_5S_2$ M.W. 449.43 Assay – min. 94%	Solubility (readily): water & methanol Solubility (partially): DMF & acetone Insoluble: ether & chloroform	100mg, 250mg, 1g
21	79364	Ceftriaxone Sodium (CFTZ) (Ceftriazone Sodium)	104376-79-6	$C_{18}H_{16}N_4Na_2O_5S_3 \cdot 3.5H_2O$ M.W. 661.60 Potency – min. 795 µg/mg	Solubility (readily): water & methanol Solubility (slightly): ethanol, ether, ethyl acetate & chloroform	1g, 5g
22	84755	Cefuroxime Sodium (CFR)	56238-63-2	$C_{16}H_{13}N_3NaO_5S$ M.W. 446.37 Assay – min. 86-100%	Solubility (readily): water Solubility (partially): ethanol Insoluble: acetone, chloroform, ether, ethyl acetate & toluene	2g, 10g, 25g
23	56338	Cephalexin Hydrate (CFL) (Cefalexin Hydrate)	15686-71-2	$C_{16}H_{17}N_3O_4S \cdot H_2O$ M.W. 365.4 Assay – min. 95-103%	Solubility (slightly): water Insoluble: ethanol, ether & chloroform	1g, 5g, 25g
24	36413	Cephalothin Sodium (CF)	58-71-9	$C_{16}H_{13}N_3NaO_5S_2$ M.W. 418.42 Assay – min. 97%	Solubility (5% in water): clear	1g, 5g
25	19660	Cephotaxime Sodium (CFT)	64485-93-4	$C_{16}H_{16}N_3NaO_5S_2$ M.W. 477.45 Assay – min. 98%	Solubility (5% in water): clear	1g, 5g, 10g
26	97686	Chloramphenicol (CFP)	56-75-7	$C_{11}H_{12}Cl_2N_2O_5$ M.W. 323.1 Assay – min. 98-102%	Solubility (10% in water): clear	5g, 25g, 100g, 500g
27	78079	Ciprofloxacin Hydrochloride (CPFX)	86393-32-0	$C_{17}H_{18}FN_4O_3 \cdot HCl$ M.W. 367.80 Assay – min. 98-102%	Solubility (readily): water Solubility (slightly): methanol, ethanol Insoluble (partially): acetone, ethyl acetate & DCM	1g, 5g, 25g
28	11941	Clindamycin Hydrochloride (CLM)	21462-39-5	$C_{18}H_{33}ClN_2O_5 \cdot HCl$ M.W. 461.44 Potency – min. 800µg/mg	Solubility (readily): water Solubility (partially): ethanol	10mg, 50mg
29	68636	Cloxacillin Sodium (CSX)	7081-44-9	$C_{15}H_{17}ClN_2NaO_5S \cdot H_2O$ M.W. 475.90 Assay – min. 95-102%	Solubility (readily): water, ethanol & methanol	1g
30	51681	Colistin Sulphate (CLS)	1264-72-8	$2(C_{22}H_{38}N_6O_{13}) \cdot 5(H_2SO_4)$ M.W. 2801.27 Potency – min. 19000U/mg	Solubility (readily): water Insoluble: ethanol	500mg, 1g, 5g
31	10408	Co-Trimoxazole (Trimethoprim-Sulfamethoxazole) (CTX)	8064-90-2	$C_{14}H_{18}N_4O_3 \cdot C_{10}H_{16}N_2O_5S$ M.W. 543.60 Assay (dry basis): min. 95%	Solubility (sparingly): water	100mg, 500mg, 1g
32	76496	β-Cyclodextrin base (BCD)	7585-39-9	$C_{42}H_{70}O_{25}$ M.W. 1134.98 Assay – min. 98%	Solubility (readily): hot water Solubility (slightly): water & ethanol	5g, 100g
33	86620	Cycloheximide (Actidione)	66-81-9	$C_{15}H_{23}NO_4$ M.W. 281.35 Assay – min. 97%	Solubility (partially): acetone, chloroform, DMSO, ethanol, methanol, water	100mg, 1g, 5g
34	41269	D-Cycloserine (D-CSR) (D-4-Amino-3-Isoxazolidone)	68-41-7	$C_7H_{10}N_2O_2$ M.W. 102.09 Potency – min. 900U/mg	Solubility (readily): water Solubility (partially): methanol Insoluble: organic solvents	1g, 5g
35	90441	Danofloxacin Mesylate (DM)	119478-55-6	$C_{20}H_{24}FN_3O_5S$ M.W. 453.48 Assay – min. 98%	Solubility (readily): water, acetic acid DMSO, methanol & trifluoroacetic acid Solubility (slightly): acetone, ethanol, hexane & DCM Insoluble: chloroform	100mg
36	65094	Doxycycline Hyclate (DXH)	24390-14-5	$C_{22}H_{24}N_2O_8 \cdot HCl \cdot 0.5H_2O \cdot 0.5C_2H_6O$ M.W. 512.94 Potency – 800-920U/mg	Solubility (readily): water	1g, 5g, 10g
37	20790	Enrofloxacin (EFX)	93106-60-6	$C_{19}H_{22}FN_3O_3$ M.W. 359.39 Assay – min.98%	Solubility (readily): methanol, acetone, DCM & 1,2-dichloroethane	5g
38	97857	Epirubicin Hydrochloride (EPR.HCl)	56390-09-1	$C_{27}H_{29}NO_{11} \cdot HCl$ M.W. 579.98 Assay – min.97%	Solubility (readily): water, DMSO, ethanol, acetone & methanol	10mg, 25mg
39	77688	Ethambutol Dihydrochloride (ETB.2HCl)	1070-11-7	$C_{10}H_{24}N_2O_2 \cdot 2HCl$ M.W. 277.23 Assay – min. 98%	Solubility (readily): water, ethanol & methanol	1g, 5g

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40	22239	Fluconazole (FLC)	86386-73-4	C ₁₃ H ₁₂ F ₂ N ₆ O M.W. 306.27 Assay – min. 98%	Solubility (10% in water): clear Solubility (readily): ethanol	1g, 5g, 25g
41	18641	Furosemide (FRS)	54-31-9	C ₁₂ H ₁₄ ClN ₂ O ₅ S M.W. 330.70 Assay – min. 98.5%	Solubility (readily): acetone Solubility (partially): ethanol Insoluble: water	5g, 25g, 100g
42	58327	G-418 Sulphate (GNT)	108321-42-2	C ₂₀ H ₁₀ O ₁₀ N ₄ .H ₂ SO ₄ M.W. 692.70 Assay (dry basis): min. 720µg/mg	Solubility (readily): water & aqueous buffers	100mg, 1g, 5g
43	23813	Geldanamycin (GLD)	30562-34-6	C ₂₉ H ₃₀ N ₂ O ₉ M.W. 560.64 Assay – min.98%	Solubility (readily): DMSO & DMF Insoluble: water	5mg
44	37636	Gentamicin Sulphate (GM)	1405-41-0	C ₂₇ H ₄₃ N ₇ O ₁₀ .H ₂ SO ₄ M.W. 575.67 Assay – min. 590µg/mg	Solubility (readily): water Insoluble: chloroform, ether & ethanol	1g, 5g, 10g, 25g
45	83597	Histamine Dihydrochloride (HSM)	56-92-8	C ₉ H ₉ N ₃ .2HCl M.W. 184.07 Assay – min. 98%	Solubility (readily): water & ethanol Insoluble: benzene & chloroform	1g, 5g, 25g
46	67317	Hygromycin B (HGR)	31282-04-9	C ₂₀ H ₁₃ N ₃ O ₁₃ M.W. 527.52 Assay – min. 90% Potency – min. 1000µg/mg	Solubility (readily): acetic acid, DMF, DMSO, ethanol, methanol, water Insoluble: benzene, chloroform, ether, hexane	100mg, 250mg, 1g
47	94885	Isoniazid	54-85-3	C ₆ H ₇ N ₃ O M.W. 137.14 Assay – min. 99%	Solubility (sparingly): acetone, acetonitrile, chloroform, ethanol, ethyl acetate, methanol, water Insoluble: benzene, ether	5g, 100g
48	18443	Ivermectin (IVM)	70288-86-7	C ₃₈ H ₇₄ O ₁₄ M.W. 875.10 Assay - min. 95-102%	Solubility (readily): methanol Solubility (slightly): ethanol Insoluble: water	500mg, 1g, 5g
49	99311	Kanamycin Monosulphate (KM)	25389-94-0	C ₁₉ H ₂₈ N ₄ O ₁₁ .H ₂ SO ₄ M.W. 582.60 Potency – min. 750µg/mg	Solubility (readily): water Insoluble: acetone, chloroform, ethanol & ether	1g, 5g, 25g
50	23467	Levofloxacin (LVX)	100986-85-4	C ₁₈ H ₂₀ FN ₃ O ₄ M.W. 361.37 Assay – min. 98%	Solubility (slightly): water, acetic acid, methanol & DCM Insoluble: ether	500mg, 1g
51	52737	Lomefloxacin Hydrochloride (LMF)	98079-52-8	C ₁₇ H ₂₀ ClF ₂ N ₃ O ₃ M.W. 387.81 Assay – min. 98.5%	Solubility (readily): water	1g, 5g, 25g
52	86596	Methotrexate Hydrate (MTR)	133073-73-1	C ₂₀ H ₂₂ N ₆ O ₅ .x H ₂ O M.W. 454.44 Assay – min. 98-102%	Solubility (readily): solutions of mineral acids and solutions of alkali hydroxides & carbonates Insoluble: water, ethanol, chloroform & ether	50mg, 100mg, 500mg, 1g
53	25828	(+/-)Miconazole Nitrate (MCN)	22832-87-7	C ₁₁ H ₁₁ Cl ₂ N ₂ O.HNO ₃ M.W. 479.14 Assay – min. 99%	Solubility (readily): water, ethanol, acetic acid & methanol	5g, 10g
54	55690	Monensin Sodium Salt (MSN)	22373-78-0	C ₃₈ H ₆₁ NaO ₁₁ M.W. 692.85 Assay – min. 90-95%	Solubility (readily): ethanol, methanol, chloroform & DMSO	1g, 5g
55	35282	Neomycin Sulphate (NMS)	1405-10-3	C ₂₇ H ₄₃ N ₇ O ₁₀ .3H ₂ SO ₄ M.W. 908.90 Potency – min. 600µg/mg	Solubility (readily): water Solubility (partially): ethanol Insoluble: acetone, chloroform & ether	5g, 25g
56	60609	Netilmicin (Netilmicin Sulphate) (NTC)	56391-57-2	(C ₂₇ H ₄₁ N ₅ O ₇) ₂ .5H ₂ SO ₄ M.W. 1441.5 Potency – min. 595 µg/mg	Solubility (readily): water	100mg, 500mg, 1g
57	43000	Norfloxacin (NFX)	70458-96-7	C ₁₈ H ₁₈ FN ₃ O ₃ M.W. 319.33 Assay – min. 98%	Solubility (slightly): methanol, ethanol, chloroform & acetone	1g, 5g
58	27434	Novobiocin Sodium (NVB)	1476-53-5	C ₃₁ H ₃₉ N ₇ NaO ₁₁ M.W. 634.61 Assay – min. 95%	Solubility (readily): water, ethanol & methanol	1g
59	62799	Ofloxacin (OFX)	82419-36-1	C ₁₈ H ₂₀ FN ₃ O ₄ M.W. 361.37 Assay – min. 98%	Solubility (readily): acetic acid Solubility (slightly): water, DCM & methanol	1g, 5g
60	91088	Oxolinic Acid (OXO)	14698-29-4	C ₁₃ H ₁₁ NO ₃ M.W. 261.23 Assay – min. 99%	Solubility (readily): dilute solutions of alkali hydroxides Solubility (partially): methanol Insoluble: organic solvents	5g, 25g
61	29779	Oxolinic Acid Sodium (OXO-Na)	59587-05-8	C ₁₃ H ₁₀ NNaO ₃ M.W. 283.21 Assay – min. 98%	Solubility (readily): water	1g, 5g


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62	12455	Oxytetracycline Hydrochloride (OTC)	2058-46-0	C ₂₂ H ₂₄ N ₂ O ₈ .HCl M.W. 496.90 Assay – 95%	Solubility (readily): water & DMSO Solubility (slightly): ethanol Insoluble: chloroform, ether, petroleum ether & benzene	1g, 5g
63	42883	Paclitaxel (Taxol), (PCXL)	33069-62-4	C ₄₇ H ₅₁ NO ₁₄ M.W. 853.91 Assay – min. 99%	Solubility (partially): methanol, DMSO, acetonitrile, chloroform, DMF and ethanol Insoluble: Water	10mg, 50mg
64	27436	Paromomycin Sulfate (PRM)	1263-89-4	C ₂₂ H ₄₀ N ₆ O ₁₄ .H ₂ SO ₄ M.W. 713.17 Potency – 675µg/mg	Solubility (readily): water	1g, 5g
65	40309	Penicillin G Sodium (PNL)	69-57-8	C ₁₆ H ₁₇ NaN ₂ O ₄ S M.W. 356.37 Assay – min. 98% Potency = > 1600µg/mg	Solubility (readily): water, isotonic saline, glucose solutions Solubility (partially): methanol Solubility (sparingly): ethanol Insoluble: acetone, chloroform, ether, ethyl acetate, fixed oil & liquid paraffin	1g
66	83011	Polymixin B Sulphate (PXNS)	1405-20-5	C ₂₂ H ₃₈ N ₁₀ O ₁₂ .2H ₂ SO ₄ M.W. 1385.61 Assay – min.6000 units/mg (dry basis)	Solubility (partially): water Solubility (sparingly): other organic solvents	250mg, 1g
67	93909	Puromycin Dihydrochloride (PRM)	58-58-2	C ₂₂ H ₂₉ N ₅ O ₇ .2HCl M.W. 544.44 Assay – min. 98%	Solubility (readily): water	25mg, 100mg, 500mg
68	12310	Rifampicin (Rifampin) (RFP)	13292-46-1	C ₄₃ H ₅₈ N ₄ O ₁₂ M.W. 822.95 Assay – 97-102%	Solubility (readily): chloroform, methanol Solubility (slightly): acetone, ethanol, ether & water	1g, 5g
69	36511	Sodium Fucidate (Na-FC) (Fucidic Acid Sodium Salt)	751-94-0	C ₂₃ H ₄₇ O ₈ Na M.W. 538.70 Assay – min. 97.5% (dry basis)	Solubility (partially): cold water, ethanol, methanol, DMF & DMSO	1g, 5g
70	91014	Streptomycin Sulphate (STM)	3810-74-0	(C ₂₁ H ₃₉ N ₇ O ₁₂) ₂ .3H ₂ SO ₄ M.W. 1457.38 Assay – min. 720µg/mg	Solubility (readily): water Insoluble: acetone, chloroform & ether	5g, 25g
71	14653	Streptozotocin (STZ) [N-(methylnitrosocarbonyl, streptozocin)]	18883-66-4	C ₈ H ₁₀ N ₂ O ₇ M.W. 265.22 Assay – min. 98%	Solubility (readily): water	100mg, 250mg, 500mg, 1g, 5g
72	86684	Sulphamethoxazole (SMX)	723-46-6	C ₁₀ H ₁₁ N ₃ O ₂ S M.W. 253.3 Assay – min. 99%	Solubility (readily): acetone Solubility (partially): ethanol Insoluble: water	5g, 25g
73	38614	Tetracycline Hydrochloride (TC)	64-75-5	C ₂₂ H ₂₄ N ₂ O ₈ .HCl M.W. 480.90 Potency – min. 900U/mg	Solubility (partially): water & ethanol	5g, 25g
74	79903	Thiamphenicol (TMP)	15318-45-3	C ₁₂ H ₁₅ Cl ₂ NO ₂ S M.W. 356.22 Assay – min. 98%	Solubility (readily): dimethylacetamide, ACN, DMF & methanol Solubility (slightly): water, ethyl acetate, acetone & ethanol	1g, 5g
75	56183	Tobramycin (TBM)	32986-56-4	C ₁₈ H ₃₇ N ₅ O ₆ M.W. 467.5 Assay – min. 900µg/mg	Solubility (readily): water Solubility (partially): ethanol Insoluble: chloroform & ether	50mg, 500mg, 1g
76	18879	Trimethoprim (TMP)	738-70-5	C ₁₄ H ₁₈ N ₂ O ₃ M.W. 290.32 Assay – min. 98.5%	Solubility (readily): dimethylacetamide Solubility (partially): methanol, water & ethanol Insoluble: ether	5g, 25g
77	40652	Valinomycin (VN)	2001-95-8	C ₅₄ H ₉₀ N ₆ O ₁₈ M.W. 1111.3 Assay – min. 95%	Solubility (readily): DMSO, ethanol, petroleum ether Insoluble: water	10mg, 25mg, 100mg
78	61078	Vancomycin Hydrochloride (VNC)	1404-93-9	C ₆₆ H ₇₅ Cl ₂ N ₆ O ₂₄ .HCl M.W. 1485.73 Assay – min. 90% Potency – 1000µg/mg	Solubility (readily): water Solubility (partially): ethanol	100mg, 500mg, 1g

VERSION 1

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