

Amikacin From Kanamycin A White Crystalline Powder

packaging Mfr. No	packaging Mfr. No
250 mg AmberGlass BP2643-250	5 g PolyBottle BP1760-5
1 g AmberGlass BP2643-1	25 g PolyBottle BP1760-25
C22H43N5O13 Crystalline Powder CAS: 37517-28-5 EINECS: 253-538-5 MW: 585.61 Melting point: White	C ₁₆ H ₁₈ N ₃ NaO ₄ S P261, P304+P341, CAS: 69-52-3 P342+P311, P280 MW: 371.39 H317, H334
Loss on drying <=9%	Dimethylaniline<0.002%
pH (1% Aqueous Solution)	Moisture <2.0%
Potency 900µg/mg	pH of 1% Aqueous Solution 8.0-10.0
,	Potency

Melting Point:203°-204°C **Recommended Storage:** 0° to 5°C, desiccate.

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Amphotericin B Yellow Powder			Off-white Powder	te	
			packaging		Mfr. No
packaging		Mfr. No	25 g PolyBottle		BP902-25
250 mg AmberGlass		BP928-250	C_1 , H_1 , N_2 , O_4 , S_1 , $3H_2O_2$	P261, P304+P341,	A
C ₄₇ H ₇₃ NO ₁₇	H315, H319, H335		CAS: 7177-48-2	P342+P311, P280	C)
CÄS: 1397-89-3	P280, P305+P351+P338		MW: 403.45	-	
MW: 924.09		\sim	H317, H334		
EINECS: 215-742-2			Assav		>=90%
Amphotericin A		<=15%	pH of 1% Solution (at 25°C)		3.5-6.0
Loss on Drying (at 105°C)		<=5.0%	Potency (Anhydrous)	Inclusive betw	een 950-1050µg/mg

Applications: Amphotericin B is an antibiotic used for controlling microbial contamination in tissue culture applications. Recommended Storage: RT Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Amphotericin B 2 Yellow Solution	250μg/mℓ		packaging 5 mg PolyMicroTube		Mfr. No BP2502-5
packaging 20 ml PolyBottle 50 ml PolyBottle C47H73NO17 C47H73NO17	EINECS: 215-742-2	Mfr. No BP2645-20 BP2645-50	C ₂₉ H ₃₇ N ₃ O ₆ CAS: 52665-69-7 MW: 523.63 EINECS: 258-084-1 H302, H312, H332, H315,	H319, H335 P302+P352, P280, P261, P301+P312, P304+P340, P305+P351+P338	
CAS: 1397-89-3 MW: 924.1			Di-n-butyl ether Purity (HPLC)		>=99.0% >=99.0%
Concentration pH at 25°C Sterility		250 µg/ml nclusive between 6.5-7.5 Sterile filtered	Applications: Antibiotic A2 divalent cations in various in vitro activity against gra	3187 is a biochemical tool used to stu biological systems. This antibiotic den m-positive bacteria and fungi. A wide	idy the role of nonstrates weak ly used

Applications: Amphotericin B is effective against yeast and fungi. An antibiotic solution used in cell biology. Recommended Storage: -20°C Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Ampicillin Sodium Salt Crystalline Powder

Recommended Storage: 4°C

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Recommended Storage: 4°C Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Antibiotic A23187 Free Acid

in onophore. It has the ability to increase the intracellular concentrations of cations and is widely used to increase the intracellular levels of calcium. Recommended Storage: -20°C Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Cell Biology | Antibiotics

Bacitracin	White or Almost White Powder
packaging Mfi	
1 g Amber Glass	BP2950-1
5 g Amber Glass	BP2950-5
C ₆₆ H ₁₀₃ N ₁₇ O ₁₆ S CAS: 1405-87-4 MW: 1422.71	EINECS: 215-786-2
Loss on drying	<=5.0%
pH at 25°C	Inclusive between 5.5-7.5
Potency	
Source	Bacillus licheniforms

Applications: Inhibitor of protein disulfide isomerase. Interferes with the bui blocks of peptidoglycan bacterial cell wall. Antimicrobial spectrum: Gram-positive bacteria.

Blasticidin S Hydrochloride From Streptomyces griseochromogenes

H300, H312 P301+P310, P280,

P302+P352

Not on TSCA inventory: for R and D use only; not for manufacturing or

Recommended storage: 4°C

White Powder

25 mg AmberGlass

50 mg AmberGlass

100 mg AmberGlass

C₁₇H₂₆N₈O₅.HCl CAS: 3513-03-9

Potency (Assay)

Solubility (5mg/ml): Water

commercial purposes.

Recommended Storage: 0° to 5°C

MW: 458.69

Purity

packaging

Cefotaxime, Sodium	Salt White or Almost White Powder
packaging	Mfr. No
1 g Amber Glass	BP2951-1
C ₁₆ H ₁₆ N ₅ NaO ₇ S ₂ CAS: 64485-93-4 MW: 477.44 H334, H315, H319, H335, H317	P261, P304+P341, P342+P311, P280, P302+P352, P305+P351+P338
Bacterial endotoxins-kinetic Individual impurity	<2 EU/mg <19
Loss on drying pH at 25°C Potency	Inclusive between 4.5-6.3 Inclusive between 916-964 u/u
Specific rotation at 25°C Total impurities	Inclusive between 710-904 d/p solution inclusive between 58-64 <39

Applications: Inhibits bacterial cell wall synthesis. Antimicrobial spectrum: Broad spectrum third generation cephalosporin antibiotic. Recommended storage: 4°C

Chloramphenicol Crystalline Powder

ackaging		Mfr. No
00 g PolyBottle		BP904-100
¹ 1H ₁₂ Cl ₂ N ₂ O ₅ AS: 56-75-7 /W: 323.13 INECS: 200-287-4	H350 P201, P308+P313	\$
Chromatography purity Aelting Range		
oH (2.5%) at 25°C Purity		Inclusive between 4.7-7.5 Inclusive between 97-103%
pecific Rotation (25°C ±0.5°C)		+17° to +20°

Recommended Storage: RT Not for drug use.

Mfr. No

BP2647-25

BP2647-50

BP2647-100

>=900µg/mg Doxorubicin Hydrochloride >=99.0% Clear, slight yellow solution **Reddish-orange Powder**

ackagi	ing		Mfr. No
1 mg	AmberGlass		BP2516-1
5 mg	AmberGlass		BP2516-5
10 mg	AmberGlass		BP2516-10
50 mg	AmberGlass		BP2516-50
2 ₂₇ H ₂₉ N CAS: 25	IO ₁₁ .HCl 316-40-9	H315, H335, H361fd P280, P305+P351+P338,	\wedge
1W: 57	'9.98	P310, P201,	\sim
INECS: 1350. F	246-818-3 1340, H302, H318,	P303+P361+P353	

Carbenicillin White Powder	Disodium Salt
packaging	Mfr. No
250 mg AmberGlass	BP2648-250
1 g AmberGlass	BP2648-1
5 g AmberGlass	BP2648-5
C ₁₇ H ₁₆ N ₂ Na ₂ O ₆ S CAS: 4800-94-6 MW: 422.36 EINECS: 225-360-8	H317, H334 P280, P305+P351+P338
pH (at 25°C, 1% wa Potency Water Content	er) 6.5-8.0 >=770µg/mg <=6.0%

Recommended Storage: 0° to 5°C

	Acetone	<=0.50%
	Assay (HPLC)	>=95%
	Carbon tetrachloride	<=1.0%
	Doxorubicinone	<=0.50%
	FTIR	Conforms to standard
	pH	Inclusive between 4.0-5.5
-	Propan2-ol	
0	Purity (HPLC)	>=99.0%
50	Solubility: In Acetone & Ethanol	Practically insoluble
·1	Solubility: In Methanol	
-5	Solubility: In Water	Completely soluble
	Total impurities	<=1.0%
	Water	<=4.0%
r .		

Applications: Doxorubicin HCL is a chemotherapeutic agent. Antitumor, immunosuppressive, and antibiotic agent. It blocks RNA polymerase and reverse transcriptase. Also inhibits nucleic acid synthesis. Recommended Storage: 2° to 8°C

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.



Doxycycline Hydrochloride Yellow Powder		Gentamycin Sulfate White Powder			
packaging		Mfr. No	packaging		Mfr. No
1 g AmberGlass		BP2653-1	1 g AmberGlass		BP918-1
5 g AmberGlass		BP2653-5	$C_{21}H_{43}N_5O_7.H_2SO_4$	H317, H334, H360FD	
C ₂₂ H ₂₄ N ₂ O ₈ .ClH	H319, H335		CÁS: 1405-41-0	P261, P280, P201,	
CÁS: 10592-13-9	P261, P270, P280,		MW: 575.67	P308+P313, P285	
MW: 480.91	P305+P351+P338,	\sim	EINECS: 215-778-9		
EINECS: 234-198-7	P308+P313, P302+P352	-	Fluoride (F)	Inclusiv	e between 3.5-5.5
H302, H312, H332, H315,			pH of Solution (1:25)		3.5 to 5.5
Carbon tetrachloride	Inclusive b	etween 4.3-6.0%	Potency (Assay)		>590µg/mg
FTIR	Con	forms to standard	Residue after ignition		
Heavy metals		<=50 ppm	Specific rotation	Inclusive betwe	en +107 to +121 °
Potency	Inclusive betwee	en 800-920µg/mg			
Purity		>=98.0	Applications: Gentamycin S	ulfate inhibits protein synthesis, prev	ventina
Sulfated ash		<=0.4%	microbial contamination in	tissue culture applications. It is also	used to confer
Water	Inclusive h	etween 1 4-2 8%	antibiotic resistance/sensitiv	ity in molecular biology procedures	

Recommended Storage: 0° to 5°C, light sensitive, desiccate. Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Erythromycin White Crystalline Powder	
packaging	Mfr. No
25 g PolyBottle	BP920-25
C ₃₇ H ₆₇ NO ₁₃ EINECS: 204-0 CAS: 114-07-8 MW: 733.94	040-1
IR Limit of related substances	Conforms to standard
pH (0.07% water at 25°C) pH of 0.4% Solution in 5% Methanol in Water	Inclusive between 8.0-10.5 8.0-10.5
Purity	Inclusive between 85.0-100.5% <0.2%
Specific rotation Thiocynate	Inclusive between -78 to +71%

Applications: Erythromycin is used as an inhibitor in cell-free protein biosynthesis.

Recommended Storage: RT

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

G418 Sulfate White to Off-white Powd	er	
packaging		Mfr. No
1 g AmberGlass		BP673-1
5 g AmberGlass		BP673-5
C ₂₀ H ₄₀ N ₄ O ₁₀ .2H ₂ SO ₄	P261, P304+P341,	
CAS: 108321-42-2	P342+P311, P280, P201,	
MW: 692.7	P308+P313	
H334, H317, H360FD		
ABS 280nm (1mg/ml solution)		<0.015
ABS 570nm (100mg/ml solution))	<0.10
Biological potency test ED50-resis	>=2500µg/ml	
Biological potency test ED50-sens	sitive assay	<=400µg/ml
Biological potency test Solubility	in Water	To pass test
Potency (B. subtilis)		760±40µg/mg

Applications: This antibiotic inhibits microbial contamination in tissue culture and molecular biology applications. The effective killing concentration of G418 varies with the cell type, media, growth conditions, and the cells' metabolic rate and position in the cell cycle. Effective concentrations have been reported from $100 \mu g/ml$ up to 5 m g/ml.

Recommended Storage: -20°C

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

ogy p Recommended Storage: 4°C

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Hygromycin B

Liquid, Dark Brown Solution

packaging

2 ml Amber Glass C₂₀H₃₇N₃O₁₃ CAS: 31282-04-9 MW: 527.5 H300, H317, H334, H310, H318 P301+P310, P280, P361,

P302+P350. P305+P351+P338, P310, P261, P304+P341, P342+P311



Mfr. No

BP2952-1MU

>80% Purity Streptomyces hygroscopicus Source Sterile filtered To pass test

Applications: Used as a selection agent for hygromycin resistance gene transformed cells. Blocks polypeptide synthesis and inhibits elongation. Description: Sterile-Filtered Recommended storage: 4°C

Ionomycin, Calcium Salt From Streptomyces conglobatus Mfr. No packaging BP2527-1 1 mg PolyMicroTube 5 mg PolyMicroTube BP2527-5 C₄₁H₇₀CaO₉ CAS: 56092-82-1 MW: 747.07

1.4-Dichlorobenzene	Clear solution
Melting Point	197°-207°C
Purity (by NP TLC)	>=98.0%
Purity (by RP TLC)	>=99.0%
Solubility (5mg/ml): Methanol	Clear solution

Recommended Storage: 4°C, protect from light Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Cell Biology | Antibiotics

Kanamycin Sulfate White Powder	:	
packaging		Mfr. N
5 g PolyBottle		BP906
C ₁₈ H ₃₆ N ₄ O ₁₁ .H ₂ SO ₄ CAS: 25389-94-0 MW: 582.59 EINECS: 246-933-9	H334, H335, H360D P261, P304+P341, P342+P311, P201, P308+P313	() ()

Chromatographic Purity	To pass USP test
Ignition residue	
Kanamycin B	<4.0%
pH of a 1% solution	Inclusive between 6.5-8.5
Potency	>750ua/ma
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Recommended Storage: RT

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Miconazole Free Base		
packaging		Mfr. No
1 g AmberGlass		BP2668-1
5 g AmberGlass		BP2668-5
25 g AmberGlass		BP2668-25
C ₁₈ H ₁₄ Cl ₄ N ₂ O CAS: 22916-47-8 MW: 416.13	EINECS: 245-324-5	
Chromatography purity		To pass test
Ignition residue		<0.2%
Loss on drying		<0.5%
Purity	Inclusiv	e between 98-102%
Residual solvents		To pass test

Applications: Miconazole is used as an antifungal agent.

Recommended Storage: RT

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Ketoconazole White Powder

FTIR

Purity

Melting Point

anti-psoriatic activity. An antifungal agent.

Recommended Storage: RT UN 2811; DOT Class 6.1:Poison

packagi	ng		Mfr. No
50 mg	AmberGlass		BP2734-50
100 mg	AmberGlass		BP2734-100
500 mg	AmberGlass		BP2734-500
1 g -	AmberGlass		BP2734-1
C ₂₆ H ₂₈ C	$I_2N_4O_4$	H360F, H301, H373, H410	~
CAS: 65	277-42-1	P264, P270, P201, P281,	(34)
MW: 53	1.44	P308+P313, P273	\sim
EINECS:	265-667-4		~

Applications: Ketoconazole is a cytochrome P450 inhibitor and demonstrates

Conforms to standard

148°-152°C

>=99%

Mitomycin C		
packaging 2 mg AmberGlass 10 mg AmberGlass		Mfr. No BP2531-2 BP2531-10
20 mg AmberGlass C ₁₅ H ₁₈ N ₄ O ₅ CAS: 50-07-7 MW: 334.32 EINECS: 200-008-6	H301, H351 P301+P310, P281	BP2531-20
Potency Purity (by HPLC) Solubility (10mg/ml): Methanol		>850µg/mg >=99.0% Clear blue solution

Applications: Mitomycin C is used in biochemical research applications. Recommended Storage: 4°C

packaging		Mfr. No
5 g AmberGlass		BP2669-5
25 g AmberGlass		BP2669-25
C ₂₃ H ₄₆ N ₆ O ₁₃ .3H ₂ O ₄ S	H334, H317, H361d	
CAS: 1405-10-3	P261, P304+P341,	
MW: 908.87	P342+P311, P280,	
EINECS: 215-773-1	P281	
FTIR		Conforms to Standard
Loss on drying		<=8%
pH (3.3% aqueous solution)		
Potency		>=630µg neomycin/mg
Purity		>=98% of Neomycin B

Applications: Neomycin Sulfate is an antibiotic and is used in tissue culture studies. It can act as an inhibitor of protein biosynthesis. Recommended Storage: RT, desiccate, protect from light.

Nystatin	White or Almost White Powder		
packaging	Mfr. N	 0	
5 g Amber Glass	BP2949-	5	
C ₄₇ H ₇₅ NO ₁₇	EINECS: 215-749-0	Penicillin/Streptomycin/Glutamine Mixture	Clear Solution
CAS: 1400-61-9	Fungicidin Mycostatin		
MW: 926.1		packaging	Mfr. No
Loss on drying	<=5.09	$\overline{_{6}}$ 50 m ℓ Plastic Bottle	BP2960-50
pH at 25°Ć	Inclusive between 6.0-8.	0 CAS: Penicillin (69-57-8); Streptomycin(3810-74-0); Glutamine	
Potency		g (56-85-9)	CO
Source	Streptomyces nourse	H317, H334, H360FD	
Suspendibility		st P261, P304+P341, P342+P311, P280, P201,	
		P308+P313	

Applications: Increases the permeability of the cell membrane of sensitive fungi by binding to sterols. Antimicrobial spectrum: Yeasts and molds. Recommended storage: 0°C

T al officitity citt Sufface Div, while of off-while crystalline row	Paromomycin Sulfate	Dry, White or Off-White Cr	ystalline Pow
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oackaging		Mfr. No
1 g Amber Glass		BP2953-1
C ₂₃ H ₄₅ N ₅ O ₁₄ .H ₂ SO ₄ CAS: 1263-89-4 VW: 713.71 EINECS: 215-031-7 Aminosidine Sulfate	H335, H319, H315 P261, P302+P352, P280, P305+P351+P338	$\langle \rangle$
oss on drying Potency		
ource	Streptomyce	s krestomuceticus

Applications: Used to study bacterial protein synthesis at the level of 16S ribosomal RNA and 30S ribosome assembly. Inhibits initiation and elongation during protein synthesis. Antimicrobial spectrum: Gram-negative and Gram-positive bacteria.

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Penicillin G Sodiun	n Salt	Dry, Fine White Powder	P261, P304+P341, P342+P311, P280, P201, P308+P313	
packaging 5 g Amber Glass		Mfr. No BP2955-5		
C ₁₆ H ₁₇ N ₂ NaO ₄ S CAS: 69-57-8 MW: 356.38 Benzylpenicillin sodium salt	H317, H334 P261, P304+P341, P342+P311, P280	\$	Neomycin concentration Penicillin concentration pH	10 mg/ml 5000 U/ml
Loss on drying pH	Inclu	<1.5% Inclusive between 5.0-7.5 sive between 1500 1750 U/mg	Sterile-filtered Streptomycin concentration	To pass test 5 mg/ml
Source	Inclu	Penicillum fungi	Applications: Interferes with synthesis of bacteri	ial cell wall. Inhibits protein

Applications: Inhibits bacterial cell wall synthesis; Antimicrobial spectrum: Gram-positive bacteria. Recommended storage: RT

Meto	blazone e Crystalline Powder	
packagi	ng	Mfr. No
25 mg	AmberGlass	BP2667-25
50 mg	AmberGlass	BP2667-50
100 mg	AmberGlass	BP2667-100
C ₁₆ H ₁₆ C CAS: 17 MW: 36	IN ₃ O ₃ S EINE 560-51-9 5.84	CS: 241-539-3
FTIR Melting	Point	Conforms to Reference 245°-260°C

Applications: Metolazone is an anti-hypertensive. Recommended Storage: RT Not on TSCA inventory: for R and D use only; not for manufacturing or

commercial purposes.

packaging		Mfr. No
25 g PolyBottle		BP908-25
C ₁₂ H ₁₂ N ₂ O ₃	H317, H334, H351	~
CAS: 389-08-2	P261, P304+P341,	
MW: 232.24	P342+P311, P280,	
EINECS: 206-864-7	P281	
Assay		>=98%
Heavy Metals (Pb)		<=0.002%
Loss on Drying (at 105°C)		<=0.5%
Melting Range		225°-231°C

a DNA polymerase inhibitor by interfering with DNA gyrase activity. Recommended Storage: RT

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Antibiotics | Cell Biology

Penicillin/Streptomycin Mixture

packaging

50 ml Plastic Bottle CAS: Penicillin (69-57-8); Streptomycin(3810-74-0) H334, H317, H360FD P261, P304+P341, P342+P311, P280, P201, P308+P313

Penicillin concentration	10000 U/ml
pH	Inclusive between 5.0-7.5
, sodium chloride	0.9%
Sterile-filtered	To pass test
Streptomycin concentration	10 mg/ml

Applications: Interferes with synthesis of bacterial cell wall. Inhibits protein synthesis; binds to 30S ribosomal subunit. **Description:** Sterile-Filtered; Penicillin: 10.000U/ml; Streptomycin: 10mg/ml Recommended storage: <0°C

Glutamine concentration	
Penicillin concentration	
pH	Inclusive between 6.0-7.0
sodium chloride	0.9%
Sterile-filtered	To pass test
Streptomycin concentration	

Applications: Interferes with synthesis of bacterial cell wall. Inhibits protein synthesis. Interferes with bacterial cell division. Description: Sterile-Filtered; Penicillin: 10.000U/ml; Streptomycin: 10mg/ml; Glutamine: 200mM Recommended storage: <0°C

Penicillin/Streptomycin/Neomycin Mixture Clear Solution

packaging		Mfr. No
50 m l	Plastic Bottle	BP2961-50
CAS: Po (1405- H317, P261, F P308+F	enicillin (69-57-8); Streptomycin(3810-74-0); Neomycin 10-3) H334, H360FD 9304+P341, P342+P311, P280, P201, P313	\$

synthesis. Interferes with bacterial cell division. Description: Sterile-Filtered; Penicillin: 5.000U/ml; Streptomycin: 5mg/ml; Neomycin: 10mg/ml Recommended storage: <0°C





Mfr. No BP2959-50

Penicillin-G Potassium Salt White to Off-white Powder			
packaging		Mfr. No	
100 g PolyBottle		BP914-100	
C ₁₆ H ₁₇ KN ₂ O ₄ S CAS: 113-98-4 MW: 372.47 EINECS: 204-038-0 H334, H317	P261, P304+P341, P342+P311, P280, P302+P352, P308+P313	\$	
Assay Loss on Drying (at 105°C) pH of 0.6% Solution		>=85% <=1.0% 5.5-7.5	

Rapamycin	Dry, White or Off-White Powder	
ackaging		Mfr. No
1 mg Clear Glass		BP2963-1
C ₅₁ H ₇₉ NO ₁₃ CAS: 53123-88-9 /W: 914.2	(-)-Rapamycin; Sirolimus	
Aelting point urity (HPLC)		

Applications: Possesses immunosuppressive properties. Blocks a protein that is involved in cell division. A type of serine/threonine kinase inhibitor. Recommended storage: <0°C

Applications: Penicillin inhibits microbial contamination in tissue culture applications. Not for drug use. Recommended Storage: RT

Phleomycin, 2% solutio	n in water	Clear Blue Solution	Rifar	npicin
packaging		Mfr. No	Brigh	t Oran
100 mg Plastic Bottle		BP2962-100	nackadi	na
C ₅₅ H ₈₅ CuO ₂₁ N ₂₀ S ₂ .HCl CAS: 11006-33-0 MW: 1526.5 Phleomycin complex	H317 P280	\diamond	250 mg 1 g 5 g	AmberG AmberG AmberG
Concentration Source Sterile-filtered UV abs (200 ug/ml at 244 nM)		20 mg/ml Streptomyces verticillus To pass test Inclusive between 0.75-1.05	25 g C ₄₃ H ₅₈ N CAS: 13 MW: 82	AmberG I ₄ O ₁₂ 292-46-1 2.94

Applications: Disrupts the integrity of DNA, and blocks S-phase entry in the cell cycle.

Description: Concentration: 20mg/ml

Recommended storage: <0°C

Polymyxin B Sulfate	Dry, White or Off-White Powder	
packaging		Mfr. No
1 g Amber Glass		BP2954-1
C ₅₅ H ₉₆ N ₁₆ O ₁₃ .2H ₂ SO ₄ CAS: 1405-20-5 MW: 1385.61 EINECS: 215-774-7	H302 P301+P312	()
Assay Loss on drying		>6000 U/mg <7%
pH Source		Inclusive between 5.0-7.5 Bacillus polymyxa

Applications: Used as a immobilized (substrate bound) agent for removal of endotoxins. Mode of Action: Binds to and interferes with the permeability of the cytoplasmic membrane; Antimicrobial spectrum: Gram-negative bacteria. **Recommended storage:** 4°C

Puromycin Dihydrochloride Dry, White or Off-White Powder

packaging		Mfr. No
100 mg Clear Glass		BP2956-100
C ₂₂ H ₂₉ N ₇ O ₅ .2HCl.xH ₂ O CAS: 58-58-2 MW: 544.44	H302 P301+P312	$\langle \rangle$
Purity (HPLC) Source Water (Karl Fischer)		>98% Streptomyces alboniger <12%

Applications: For selection of cells transfected with puromycin N-acetyl transferase gene (pac). Recommended storage: <0°C

Brigh	t Orange Powder		
packagi	ng		Mfr. No
250 mg	AmberGlass		BP2679-250
1 g	AmberGlass		BP2679-1
5 g	AmberGlass		BP2679-5
25 g	AmberGlass		BP2679-25
C ₄₃ H ₅₈ N CAS: 13 MW: 82 EINECS:	l ₄ O ₁₂ 292-46-1 2.94 236-312-0	H360Fd, H302 P264, P270, P201, P281, P308+P313	() &
Heavy n Loss on	netals Drving (at 105°C)		<pre><20 ppm <1.0%</pre>
Purity	, , , , , , , , , , , , , , , , , , , ,	Inclusive b	etween 97-102%
Rifampio	cin quinine		<1.5%
Sulfated	ash		<0.1%
00/015 ((lambda max) methanol		237-239nm

Applications: Rifampicin inhibits DNA-dependent bacterial RNA Polymerase. Mammalian RNA polymerase is not affected. Recommended Storage: 4°C

Not on TSCA inventory: for R and D use only; not for manufacturing or commercial purposes.

Spectinomycin Pentahydrate Dihydrochloride Dry, White or Almost White Powder Mfr. No packaging BP2957-1 1 g Amber Glass C₁₄H₂₄N₂O₇.2HCl.2H₂O CAS: 22189-32-8 H335, H315, H319 (!) P261, P302+P352, P280, MW: 495.35 P305+P351+P338 Spectinomycin Dihydrochloride Hydrate Assav >603 U/mg pH at 2 Residu

pH at 25°C	Inclusive between 3.8-5.6
Residue after ignition	<1%
Source	Streptomyces spectabilis
Specific rotation	Inclusive between 15-21
Water (Karl Fischer)	Inclusive between 16-20%

Applications: For selection of transformed cells containing the spectinomycin resistance gene and inhibition of bacterial protein synthesis at the level of peptidyl tRNA translocation. Recommended storage: 4°C