

This Class 536 is considered to be an integral part of Class 260 (see the Class 260 schedule for the position of this Class in schedule hierarchy). This Class retains all pertinent definitions and class lines of Class 260.

<b>ORGANIC COMPOUNDS (CLASS 532, SUBCLASS 1)</b>	
1.11	.Carbohydrates or derivatives
2	..Pectin or derivative
3	..Algin or derivative
4.1	..O- or S- Glycosides
4.4	...Aescin or derivative
5	...Cyclopentanohydrophenanthrene ring system
6	....Oxygen containing six-membered hetero ring (e.g., oxathiane, etc.)
6.1	....Oxygen containing five-membered hetero ring
6.2	.....Nitrogen, phosphorus or halogen containing
6.3	.....Processes of extracting from plant materials
6.4	...Daunomycin or derivative
6.5	...Oxygen containing hetero ring having at least twenty members (e.g., amphotericin, nystatin, pimaricin, etc.)
7.1	...Oxygen containing hetero ring having 12-19 members (e.g., methymycin, carbomycin, spiramycin, etc.)
7.2	....Erythromycin or derivative (e.g., oleandomycin, etc.)
7.3	....Boron, phosphorus or sulfur containing
7.4	.....Additional nitrogen containing
7.5	.....Purification or recovery
8	...Flavon sugar compounds
8.8	...Coumermycin or derivative
13	...Novobiocin or derivative
13.1	...Antibiotic BM 123 or derivative
13.2	...Neomycin B or neomycin C or derivative
13.3	...Paromomycin or derivative (e.g., neomycin E, etc.)

13.4	...Antibiotic XK or derivative
13.5	...Butirosin or derivative (e.g., ambutyrosin, etc.)
13.6	...Gentamicin or derivative
13.7	...Kanamycin or derivative
13.8	....Carbonyl bonded directly to kanamycin nitrogen
13.9	...Sisomicin or derivative
14	...Streptomycin or derivative
15	....Dihydrostreptomycin or derivative
16	....Addition compounds
16.1	...Fortimicin or derivative
16.2	...Lincomycin or derivative
16.3	....Cyano or -COO- containing
16.4	....Additional sulfur containing
16.5	....Phosphorus or halogen containing
16.6	...Neamine or derivative (e.g., neomycin A, etc.)
16.7	...Kasugamycin or derivative
16.8	...Antibiotics
16.9	....Purification or recovery
17.1	...Boron, phosphorus, heavy metal or aluminum containing
17.2	...Nitrogen containing
17.3	....Nitrogen containing hetero ring
17.4	.....Nitrogen in aglycone moiety
17.5	....Sulfur containing (e.g., methylthiolincosaminide, etc.)
17.6	.....Nitrogen or sulfur in aglycone moiety
17.7	....Nitro or nitroso containing
17.8	.....Nitrogen in aglycone moiety
17.9	....Nitrogen in aglycone moiety
18.1	...Polycyclo ring system (e.g., hellebrin, etc.)
18.2	...Containing -C(=X)X- wherein the X's are the same or diverse chalcogens
18.3	...Plural oxyalkylene groups bonded directly to each other
18.4	...Halogen containing
18.5	...Processes
18.6	....Reacting a carbohydrate with an organic -O- containing compound (e.g., reacting glucose with methanol, etc.)
18.7	...Nitrogen containing
20	...Chitin or derivative
21	...Heparin or derivative

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|-------|---|-------|--|
| 22.1  | ...N-glycosides, polymers thereof, metal derivatives (e.g., nucleic acids, oligonucleotides, etc.)  | 25.34 | .....Trivalent phosphorus compound utilized  |
| 23.1  | ....DNA or RNA fragments or modified forms thereof (e.g., genes, etc.)  | 25.4  | ....Separation or purification of polynucleotides or oligonucleotides  |
| 23.2  | .....Encodes an enzyme  | 25.41 | .....Extraction processes (e.g., solvent extraction process, etc.)   |
| 23.4  | .....Encodes a fusion protein   | 25.42 | .....Denaturant utilized   |
| 23.5  | .....Encodes an animal polypeptide  | 25.5  | ....Homopolymers having repeating sequences of four or more identical nucleotide units   |
| 23.51 | .....Hormone  | 25.6  | ....Nucleic acids which include two or three nucleotide units  |
| 23.52 | .....Interferon   | 26.1  | ....Phosphorus containing N-glycoside wherein the N is part of an N-hetero ring  |
| 23.53 | .....Immunoglobulin   | 26.11 | ....The phosphorus is part of a ring   |
| 23.6  | .....Encodes a plant polypeptide  | 26.12 | .....The N-hetero ring is part of a purine ring system   |
| 23.7  | .....Encodes a microbial polypeptide  | 26.13 | .....Adenine or substituted adenine  |
| 23.71 | .....Bacillus thuringiensis insect toxin  | 26.14 | .....The N-hetero ring is a diazine or a diazole ring, including hydrogenated  |
| 23.72 | .....Viral protein  | 26.2  | ....Plural phosphorus atoms in N-glycoside   |
| 23.74 | .....Fungal protein   | 26.21 | .....Plural phosphorus atoms bonded directly to the same chalcogen in a chain (e.g., pyrophosphates, polyanhydrides of phosphorus acids, etc.) |
| 24.1  | ....Non-coding sequences which control transcription or translation processes (e.g., promoters, operators, enhancers, ribosome binding sites, etc.) | 26.22 | .....Both terminal phosphorus atoms are esterified by organic groups wherein one of these organic groups is the sugar moiety                   |
| 24.2  | ....Non-coding sequences having no known regulatory function which are adaptors or linkers for vector or gene construction                          | 26.23 | .....Exactly two phosphorus atoms in the chain (e.g., coenzyme A, etc.)  |
| 24.3  | ....Probes for detection of specific nucleotide sequences or primers for the synthesis of DNA or RNA  | 26.24 | .....NAD (nicotinamide adenine dinucleotide) and derivatives thereof   |
| 24.31 | .....Probes for detection of animal nucleotide sequences  | 26.25 | .....FAD (flavin adenine dinucleotide) and derivatives thereof   |
| 24.32 | .....Probes for detection of microbial nucleotide sequences   | 26.26 | .....Triphosphates (in same chain)   |
| 24.33 | .....Primers  | 26.3  | .....Plural monophosphate groups (e.g., adenosine-3', 5'-biscarboxymethyl phosphonate, cytidine nucleoside diphosphate, etc.)                  |
| 24.5  | ....Nucleic acid expression inhibitors  |       |  |
| 25.1  | ....3'-5' linked RNA  |       |  |
| 25.2  | ....2'-5' linked RNA  |       |  |
| 25.3  | ....Synthesis of polynucleotides or oligonucleotides  |       |  |
| 25.31 | .....Deprotection step  |       |  |
| 25.32 | .....Labels or markers utilized (e.g., radiotracer, affinity, fluorescent, phosphorescent, markers, etc.)   |       |  |
| 25.33 | ....Pentavalent phosphorus compound utilized  |       |  |

- 26.4 .....Cobalamin nucleotides (e.g., vitamin B-12, etc.)
- 26.41 .....Processes of preparing or labelling
- 26.42 .....Processes of concentration, separation, recovery, or extraction (e.g., recovery from organ extracts, from fermentation broth, from sewage sludge, etc.)
- 26.43 .....Adsorbent used (e.g., activated alumina, ion exchange resins, etc.)
- 26.44 .....Cobalamin analogs (i.e., compounds wherein the benzimidazole ring system has been replaced by another organic ring structure, or compounds wherein cobalt has been removed or replaced by another metal, or is substituted by a group other than -OH or -CN)
- 26.5 .....Plural N-glycosidic moieties bonded to the same phosphorus ester group
- 26.6 .....Labelled (e.g., tagged with radioactive tracer, fluorescent marker, intercalator, etc.)
- 26.7 .....The N-hetero ring is part of a bicyclic ring system
- 26.71 .....Preparing purine nucleotides
- 26.72 .....Guanosine nucleotide preparation
- 26.73 .....Separation or purification of purine nucleotides
- 26.74 .....Inosine nucleotide
- 26.8 .....The N-hetero ring is six-membered and monocyclic (e.g., uridine-5'-mono-phosphate, etc.)
- 26.9 .....The N-hetero ring is five-membered (e.g., 1-D-ribofuranosyl-1, 2,3-triazole-4-carboxamide-5'-phosphate, etc.)
- 27.1 .....N-glycosides wherein the N is part of an N-hetero ring which hetero ring is part of a polycyclic ring system containing an N-hetero ring and an additional hetero ring (e.g., rebeccamycin, etc.)
- 27.11 .....Preparing by cleaving nucleic acids or by attaching an N-heterocyclic base to a sugar ring
- 27.12 .....Separation or purification (e.g., resolving isomeric mixtures, etc.)
- 27.13 .....Bicyclic ring system consisting of the N-hetero ring fused to another hetero ring (e.g., 2-azaadenines, 6-azaadenines, etc.)
- 27.14 .....Multideoxy or didehydro
- 27.2 .....The bicyclic ring system consists of a 1,3-diazine ring, which may be hydrogenated, fused to a five-membered N-hetero ring (e.g., purine isoesters like tubercidin, toyocamycin, sangivamycin, sparsomycin A, etc.)
- 27.21 .....The five-membered N-hetero ring is 1,3-diazole, which may be hydrogenated (e.g., 6-chloropurine nucleoside, nebularin, etc.)
- 27.22 .....Carbonyl, thiocarbonyl, or nitrogen, other than as nitro or nitroso, bonded directly to the sugar ring
- 27.23 .....Carbonyl, thiocarbonyl, additional hetero ring or nitrogen, other than as nitro or nitroso, attached indirectly to the sugar ring by acyclic nonionic bonding
- 27.3 .....Adenosyl
- 27.31 .....S-Adenosyl-L-methionine, S-Adenosyl-L-homocysteine, salts, or esters thereof
- 27.4 .....Arabinose is sugar moiety
- 27.5 .....Ketose is sugar moiety (e.g., decoyinine, psicofuranosylpurines, etc.)
- 27.6 .....Nitrogen, other than nitro or nitroso, bonded directly to the 6-position of a purine ring system (e.g., adenosine, etc.)
- 27.61 .....Additional nitrogen bonded directly to the 2-position of the purine ring system

- 27.62 .....Nitrogen, chalcogen, or additional carbon bonded directly to the 6-position nitrogen (e.g., 6-position nitrogen is substituted, etc.)
- 27.63 .....Halogen, chalcogen, or cyano bonded directly to the 2-position of the purine ring system
- 27.7 .....Chalcogen, halogen, or benzene bonded directly to carbon of the purine ring system (e.g., isoguanosine, 2-fluoroadenosine, etc.)
- 27.8 .....Chalcogen bonded directly to the 6- or 2-position of a purine ring system (e.g., inosine, etc.)
- 27.81 .....Nitrogen, other than nitro or nitroso, bonded directly to the 2-position of the purine ring system (e.g., guanosine, etc.)
- 28.1 ...N-glycosides wherein the N is part of a six-membered hetero ring (e.g., diazines, etc.)
- 28.2 .....Multideoxy or dideoxy
- 28.3 .....The N-hetero ring is a triazine ring, including hydrogenated (e.g., 6-azauridine, etc.)
- 28.4 .....The N-hetero ring is a 1,3-diazine ring, including hydrogenated (e.g., pyrimidines, etc.)
- 28.5 .....Nitrogen, other than nitro or nitroso, bonded directly to the 4-position, and chalcogen bonded directly to the 2-position of the diazine ring (e.g., cytidines, etc.)
- 28.51 .....Having chalcogen, carbonyl, or thiocarbonyl bonded directly to the 4-position substituent nitrogen
- 28.52 .....Halogen or alkyl group of 1-5 carbon atoms bonded directly to the 5-position of the diazine ring
- 28.53 .....Chalcogen bonded directly to the 2- and 4-positions of the diazine ring (e.g., uridine, etc.)
- 28.54 .....Alkyl, or substituted alkyl, bonded directly to the 5-position of the diazine ring (e.g., thymidine, 5-methyl uridine, etc.)
- 28.55 .....Halogen bonded directly to the 5-position of the diazine ring (e.g., 5-fluorouridine, etc.)
- 28.6 ...N-glycosides wherein the N is part of a five-membered hetero ring (e.g., selenazole nucleosides, pyrrole nucleosides, etc.)
- 28.7 .....Plural nitrogens in the N-hetero ring (e.g., triazoles, etc.)
- 28.8 .....The N-hetero ring is a 1,3-diazole ring, including hydrogenated (e.g., imidazoles, etc.)
- 28.9 .....Benzimidazoles
- 29.1 ...Nitrogen of N-glycoside is acyclic nitrogen
- 29.11 ....N-hetero ring bonded directly or indirectly to the acyclic nitrogen
- 29.12 .....The acyclic nitrogen is part of a urea or thiourea group
- 29.13 .....Sulfur containing (e.g., sulfides, sulfones, sulfates, sulfonamides, etc.)
- 29.2 ...C-glycosides wherein the sugar ring is bonded directly to carbon of an N-hetero ring (e.g., 9-deazaadenosines, etc.)
- 30 ...Cellulose derivatives
- 31 ...Nitrogen containing hetero ring (e.g., morpholine, etc.)
- 32 ....Esters
- 33 .....Sulfur containing acid
- 34 .....Phosphorus containing acid
- 35 .....Nitrates
- 36 .....Mixed esters
- 37 .....With pretreatment process
- 38 .....Subsequent treatment process
- 39 .....Comminuting
- 40 .....Recovery from photographic film
- 41 .....Viscosity or degree of polymerization changed (e.g., degrading, cross linking, etc.)

42	.....Stabilizing	79	.....Corrosiveness reduced
43	....Ethers	80	.....Viscosity or degree of polymerization changed (e.g., degrading, cross linking, etc.)
44	....Mixed ethers		
45	...Starch derivatives		
46	....Dextrin derivatives		
47	....Cross-linked	81	.....Stabilizing
48	....Esters	82	.....Halogen containing compound utilized in process
49	....Ether-esters or mixed esters	83	.....Halogen containing compound utilized in process
50	....Ethers		
51	...Dextran derivatives		
52	...Gum derivatives	84	...Ethers
53	...Oxygen double bonded and nitrogen bonded directly to the same carbon	85	...Subsequent treatment process
		86	....Comminuting
		87	....Liquid interaction properties changed (e.g., solubility, absorbability, etc.)
54	...Sulfur containing		
55	...Plural nitrogens containing		
55.1	....Polysaccharides		
55.2	...Glucosamine containing	88	....Viscosity, degree of polymerization or heat stability changed (e.g., degrading, cross-linking, etc.)
55.3	...Processes		
56	..Cellulose or derivative		
57	...Regenerated cellulose		
58	...Esters		
59	....Sulfur containing acid	89	....Acid employed in subsequent treatment
60	.....Xanthate or viscose		
61	.....Subsequent treatment process	90	...Mixed ethers
62	....Phosphorus containing acid	91	....Hydroxyalkyl containing
63	....Carboxylic acid esters	92	....Sulfur containing
64	.....Mixed carboxylate esters	93	....Unsaturated
65	.....Propionate, butyrate or isobutyrate containing	94	....Aromatic nucleus containing
66	.....Ether-esters	95	...Hydroxyalkyl containing
67	.....Formates	96	....Hydroxyethyl
68	.....Propionates, butyrates or isobutyrates	97	...Carboxyalkyl or salts thereof
69	.....Acetates	98	....Carboxymethyl or salts thereof
70	.....With pretreatment process	99	....Alkyl or cycloalkyl
71	.....Acetic acid utilized in pretreatment	100	....Ethyl
72	.....Halogen containing compound utilized in process	101	...Metal containing
73	.....Sulfur containing compound utilized in pretreatment	102	..Starch or derivative
74	.....Sulfur containing compound utilized in pretreatment	103	...Dextrin or derivative
75	.....Halogen containing compound utilized in process	104	...Aldehyde reaction product
76	.....Subsequent treatment process	105	...Oxidized starch or derivative
77	.....Comminuting or centrifuging	106	...Cross-linked
78	.....Recovery from photographic film	107	...Esters
		108	....Ether-esters or mixed esters
		109	....Phosphorus or sulfur containing
		110	....Carboxylic
		111	...Ethers
		112	..Dextran or derivative
		113	...Iron containing
		114	..Gums or derivatives
		115	..Esters
		116	...Ether-esters
		117	...Phosphorus containing
		118	...Sulfur containing

- 119 ...Carboxylic
- 120 ..Ethers
- 121 ..Metal containing
- 122 ..Sulfur or halogen containing
- 123 ..Plural diverse saccharides  
containing (e.g., hetero  
polysaccharides, etc.)
- 123.1 ..Polysaccharides
- 123.12 ...Glucans (e.g., pullulan, etc.)
- 123.13 ...Disaccharides (e.g., maltose,  
sucrose, lactose, formaldehyde  
lactose, etc.)
- 124 ..Processes
- 125 ...Isomerization
- 126 ...Polymerization
- 127 ...Purification or recovery
- 128 ....From plant material

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