SECTION C — CHEMISTRY; METALLURGY

C01 INORGANIC CHEMISTRY

C01G **COMPOUNDS CONTAINING METALS NOT COVERED BY SUBCLASSES C01D OR C01F** (metal hydrides C01B 6/00; salts of oxyacids of halogens C01B 11/00; peroxides, salts of peroxyacids C01B 15/00; thiosulfates, dithionites, polythionates C01B 17/64; compounds containing selenium or tellurium C01B 19/00; binary compounds of nitrogen with metals C01B 21/06; azides C01B 21/08; metal amides C01B 21/092; nitrites C01B 21/50; phosphides C01B 25/08; salts of oxyacids of phosphorus C01B 25/16; carbides C01B 32/90; compounds containing silicon C01B 33/00; compounds containing boron C01B 35/00; compounds having molecular sieve properties but not having base-exchange properties C01B 37/00; compounds having molecular sieve and base-exchange properties, e.g. crystalline zeolites, C01B 39/00; cyanides C01C 3/08; salts of cyanic acid C01C 3/14; salts of cyanamide C01C 3/16; thiocyanates C01C 3/20; fermentation or enzyme-using processes for the preparation of elements or inorganic compounds except carbon dioxide C12P 3/00; obtaining metal compounds from mixtures, e.g. ores, which are intermediate compounds in a metallurgical process for obtaining a free metal C21B, C22B; production of non-metallic elements or inorganic compounds by electrolysis or electrophoresis C25B)

Note(s) [7, 2006.01]

1. Attention is drawn to Note (1) after class C01, which defines the last place priority rule applied in this class, i.e. in the range of subclasses C01B-C01G and within these subclasses.
2. Therapeutic activity of compounds is further classified in subclass A61P.

Subclass index

GENERAL METHODS OF PREPARATION....1/00
METALLIC COMPOUNDS, IN ALPHABETICAL ORDER OF THE SYMBOL FOR THE METAL
- Ag Silver....5/00
- As Arsenic....28/00
- Au Gold....7/00
- Bi Bismuth....29/00
- Cd Cadmium....11/00
- Co Cobalt....51/00
- Cr Chromium....37/00
- Cu Copper....3/00
- Fe Iron....49/00
- Ga Gallium....15/00
- Ge Germanium....17/00
- Hf Hafnium....27/00
- Hg Mercury....13/00
- In Indium....15/00
- Ir Iridium....55/00
- Mn Manganese....45/00
- Mo Molybdenum....39/00
- Nb Niobium....33/00
- Ni Nickel....53/00
- Os Osmium....55/00
- Pb Lead....21/00
- Pd Palladium....55/00
- Pt Platinum....55/00
- Re Rhenium....47/00
- Rh Rhodium....55/00
- Ru Ruthenium....55/00
- Sb Antimony....30/00
- Sn Tin....19/00
- Ta Tantalum....35/00
- Ti Titanium....23/00
- Tl Thallium....15/00
- U Uranium....43/00
- V Vanadium....31/00
- W Tungsten....41/00
- Zn Zinc....9/00
- Zr Zirconium....25/00

COMPOUNDS OF TRANSURANIC ELEMENTS....56/00

COMPOUNDS OF METALS NOT COVERED BY THE PRECEDING GROUPS.....99/00

1/00 **Methods of preparing compounds of metals not covered by subclasses C01B, C01C, C01D, C01F, in general** (electrolytic production of inorganic compounds C25B 1/00) **[1, 2, 2006.01]**
1/02 • Oxides **[1, 2006.01]**
1/04 • Carbonyls **[1, 2006.01]**
1/06 • Halides **[1, 2006.01]**
1/08 • Nitrates **[1, 2006.01]**
1/10 • Sulfates **[1, 2006.01]**
1/12 • Sulfides **[1, 2006.01]**
1/14 • Sulfites **[1, 2006.01]**

3/00 **Compounds of copper [1, 2006.01]**
3/02 • Oxides; Hydroxides **[1, 2006.01]**
3/04 • Halides **[1, 2006.01]**
3/05 • • Chlorides **[3, 2006.01]**
3/06 • • Oxychlorides **[1, 2006.01]**
3/08 • Nitrates **[1, 2006.01]**
3/10 • Sulfates **[1, 2006.01]**
3/12 • Sulfides **[1, 2006.01]**
3/14 • Complexes with ammonia **[1, 2006.01]**

5/00 **Compounds of silver [1, 2006.01]**
5/02 • Halides **[3, 2006.01]**

7/00 **Compounds of gold [1, 2006.01]**

9/00 **Compounds of zinc [1, 2006.01]**
9/02 • Oxides; Hydroxides **[1, 3, 2006.01]**
9/03 • • Processes of production using dry methods, e.g. vapour phase processes **[3, 2006.01]**
9/04 • Halides **[1, 2006.01]**
9/06 • Sulfates **[1, 2006.01]**
9/08 • Sulfides **[1, 2006.01]**

11/00 **Compounds of cadmium [1, 2006.01]**
11/02 • Sulfides **[3, 2006.01]**

13/00 **Compounds of mercury [1, 2006.01]**
13/02 • Oxides **[1, 2006.01]**
13/04 • Halides **[1, 2006.01]**

15/00 **Compounds of gallium, indium, or thallium [1, 2006.01]**

17/00 **Compounds of germanium [1, 2006.01]**
17/02 • Germanium dioxide **[1, 2006.01]**
17/04 • Halides of germanium **[1, 2006.01]**

19/00 **Compounds of tin [1, 2006.01]**
19/02 • Oxides **[1, 2006.01]**
19/04 • Halides **[1, 2006.01]**
19/06 • • Stannous chloride **[1, 2006.01]**
19/08 • • Stannic chloride **[1, 2006.01]**

21/00 **Compounds of lead [1, 2006.01]**
21/02 • Oxides **[1, 2006.01]**
21/04 • • Lead suboxide [Pb_2O] **[1, 2006.01]**
21/06 • • Lead monoxide [PbO] **[1, 2006.01]**
21/08 • • Lead dioxide [PbO_2] **[1, 2006.01]**
21/10 • • Red lead [Pb_3O_4] **[1, 2006.01]**
21/12 • Hydroxides **[1, 2006.01]**
21/14 • Carbonates **[1, 2006.01]**
21/16 • Halides **[1, 2006.01]**
21/18 • Nitrates **[1, 2006.01]**
21/20 • Sulfates **[1, 2006.01]**
21/21 • Sulfides **[3, 2006.01]**
21/22 • Plumbates; Plumbites **[1, 2006.01]**

23/00 **Compounds of titanium [1, 2006.01]**
23/02 • Halides of titanium **[1, 2006.01]**
23/04 • Oxides; Hydroxides **[1, 3, 2006.01]**
23/047 • • Titanium dioxide **[3, 2006.01]**
23/053 • • • Producing by wet processes, e.g. hydrolysing titanium salts **[3, 2006.01]**
23/07 • • • Producing by vapour phase processes, e.g. halide oxidation **[3, 2006.01]**
23/08 • • • Drying; Calcining **[1, 3, 2006.01]**

25/00 **Compounds of zirconium [1, 2006.01]**
25/02 • Oxides **[1, 2006.01]**
25/04 • Halides **[1, 2006.01]**
25/06 • Sulfates **[1, 2006.01]**

27/00 **Compounds of hafnium [1, 2006.01]**
27/02 • Oxides **[1, 2006.01]**
27/04 • Halides **[1, 2006.01]**
27/06 • Sulfates **[1, 2006.01]**

28/00 **Compounds of arsenic [3, 2006.01]**
28/02 • Arsenates; Arsenites **[3, 2006.01]**

29/00 **Compounds of bismuth [1, 2006.01]**

30/00 **Compounds of antimony [3, 2006.01]**
30/02 • Antimonates; Antimonites **[3, 2006.01]**

31/00 **Compounds of vanadium [1, 2006.01]**
31/02 • Oxides **[3, 2006.01]**
31/04 • Halides **[3, 2006.01]**

33/00 **Compounds of niobium [1, 2006.01]**

35/00 **Compounds of tantalum [1, 2006.01]**
35/02 • Halides **[3, 2006.01]**

37/00 **Compounds of chromium [1, 2006.01]**
37/02 • Oxides or hydrates thereof **[1, 2006.01]**
37/027 • • Chromium dioxide **[3, 2006.01]**
37/033 • • Chromium trioxide; Chromic acid **[3, 2006.01]**
37/04 • Chromium halides **[1, 2006.01]**
37/06 • • Chromylhalides **[1, 2006.01]**
37/08 • Chromium sulfates **[1, 2006.01]**
37/10 • • Chrome alum **[1, 2006.01]**
37/14 • Chromates; Bichromates **[1, 2006.01]**

39/00 **Compounds of molybdenum [1, 2006.01]**
39/02 • Oxides; Hydroxides **[3, 2006.01]**
39/04 • Halides **[3, 2006.01]**
39/06 • Sulfides **[3, 2006.01]**

41/00 **Compounds of tungsten [1, 2006.01]**
41/02 • Oxides; Hydroxides **[3, 2006.01]**
41/04 • Halides **[3, 2006.01]**

43/00 Compounds of uranium [1, 2006.01]
43/01 • Oxides; Hydroxides **[3, 2006.01]**
43/025 • • Uranium dioxide **[3, 2006.01]**
43/04 • Halides of uranium **[1, 2006.01]**
43/06 • • Fluorides **[1, 2006.01]**
43/08 • • Chlorides **[1, 2006.01]**
43/10 • • Bromides **[1, 2006.01]**
43/12 • • Iodides **[1, 2006.01]**

45/00 Compounds of manganese [1, 2006.01]
45/02 • Oxides; Hydroxides **[1, 2006.01]**
45/04 • Carbonyls **[1, 2006.01]**
45/06 • Halides **[1, 2006.01]**
45/08 • Nitrates **[1, 2006.01]**
45/10 • Sulfates **[1, 2006.01]**
45/12 • Manganates; Permanganates **[1, 2006.01]**

47/00 Compounds of rhenium [1, 2006.01]

49/00 Compounds of iron [1, 2006.01]
49/02 • Oxides; Hydroxides **[1, 2006.01]**
49/04 • • Ferrous oxide [FeO] **[1, 2006.01]**
49/06 • • Ferric oxide [Fe_2O_3] **[1, 2006.01]**
49/08 • • Ferroso-ferric oxide [Fe_3O_4] **[1, 2006.01]**
49/10 • Halides **[1, 2006.01]**
49/12 • Sulfides **[1, 2006.01]**
49/14 • Sulfates **[1, 2006.01]**
49/16 • Carbonyls **[1, 2006.01]**

51/00 Compounds of cobalt [1, 2006.01]
51/02 • Carbonyls **[1, 2006.01]**
51/04 • Oxides; Hydroxides **[1, 2006.01]**
51/06 • Carbonates **[1, 2006.01]**
51/08 • Halides **[1, 2006.01]**
51/10 • Sulfates **[1, 2006.01]**
51/12 • Complexes with ammonia **[1, 2006.01]**

53/00 Compounds of nickel [1, 2006.01]
53/02 • Carbonyls **[1, 2006.01]**
53/04 • Oxides; Hydroxides **[1, 2006.01]**
53/06 • Carbonates **[1, 2006.01]**
53/08 • Halides **[1, 2006.01]**
53/09 • • Chlorides **[3, 2006.01]**
53/10 • Sulfates **[1, 2006.01]**
53/11 • Sulfides **[3, 2006.01]**
53/12 • Complexes with ammonia **[1, 2006.01]**

55/00 Compounds of ruthenium, rhodium, palladium, osmium, iridium, or platinum [1, 2006.01]

56/00 Compounds of transuranic elements [1, 2006.01]

99/00 Subject matter not provided for in other groups of this subclass [2010.01]