

Author Index



Author Index

- Actor, Paul, Smith Kline & French Laboratories, Philadelphia, Pennsylvania 19101, United States (Chaps. 1, 3) *Chemotherapeutics*, **1013**
- Allegra, Carmen J., National Cancer Institute, Bethesda, Maryland 20205, United States *Cancer Chemotherapy*, **839**
- Aschenbrenner, Hans, Bayer AG, Leverkusen, Federal Republic of Germany (Section 6.4.2) *Transport, Handling, and Storage*, **487**
- Bartels, Klaus, Berufsgenossenschaft der chemischen Industrie, Heidelberg, Federal Republic of Germany (Section 4.1) *Plant and Process Safety*, **361**
- Bender, Herbert, BASF Aktiengesellschaft, Ludwigshafen, Federal Republic of Germany (Section 2.1) *Plant and Process Safety*, **361**
- Berner, Sibylle, Boehringer Mannheim GmbH, Tutzing, Federal Republic of Germany (Chap. 7) *Nucleic Acids*, **739**
- Berson, Emile, Ministère des Transports, Paris, France (Chap. 2) *Transport, Handling, and Storage*, **487**
- Berson, Nadia, Paris, France (Chap. 2) *Transport, Handling, and Storage*, **487**
- Berthold, Werner, BASF Aktiengesellschaft, Ludwigshafen, Federal Republic of Germany (Section 2.2.3) *Plant and Process Safety*, **361**
- Binetti, Roberto, Istituto Superiore di Sanità, Rome, Italy (Chap. 3) *Chemical Products: Safety Regulations*, **553**
- Bino, Goffredo Del, European Commission, Brussels, Belgium (Chap. 1) *Chemical Products: Safety Regulations*, **553**
- Bosatra, Dan, Dow Europe S. A., Horgen, Switzerland (Section 3.1–3.9) *Occupational Health and Safety*, **299**
- Broecker, Bernard, formerly Hoechst Aktiengesellschaft, Frankfurt/Main, Federal Republic of Germany (Chaps. 2 and 4) *Chemical Products: Safety Regulations*, **553**
- Burtscher, Helmut, Boehringer Mannheim GmbH, Penzberg, Federal Republic of Germany (Chaps. 1–6) *Nucleic Acids*, **739**
- Chabner, Bruce A., National Cancer Institute, Bethesda, Maryland 20205, United States *Cancer Chemotherapy*, **839**
- Chow, Alfred W., Smith Kline & French Laboratories, Philadelphia, Pennsylvania 19101, United States (Chaps. 1, 3) *Chemotherapeutics*, **1013**
- Conrad, Dietrich, Berlin, Federal Republic of Germany (Section 2.2.2) *Plant and Process Safety*, **361**
- Cross, Alan, Department of Bacterial Diseases, Walter Reed Army Institute of Research, Washington D.C. 20307-5100, United States (Chap. 5) *Immunotherapy and Vaccines*, **899**
- Cryz, Stanley J. Jr., Swiss Serum and Vaccine Institute Berne, Switzerland (Chaps. 1 and 2) *Immunotherapy and Vaccines*, **899**
- Curt, Gregory A., National Cancer Institute, Bethesda, Maryland 20205, United States *Cancer Chemotherapy*, **839**
- Dekant, Wolfgang, Institute of Toxicology, University of Wuerzburg, Germany *Toxicology*, **3**
- Devos, Jean-Marie, CEFIC, Brussels, Belgium (Chaps. 1, 3) *Legal Aspects*, **585**
- Döhrn, Klaus Jochem, Germanischer Lloyd, Hamburg, Federal Republic of Germany (Section 6.2.1.3) *Transport, Handling, and Storage*, **487**
- Doktor, Kurt-Joseph, Bayer AG, Leverkusen, Federal Republic of Germany (Sections 6.2.1.1, 6.2.1.2, 6.3, 6.4) *Transport, Handling, and Storage*, **487**
- Dosch, Rainer, Bayer AG, Leverkusen, Federal Republic of Germany (Section 4.7) *Occupational Health and Safety*, **299**
- Drauz, Karlheinz, Degussa-Hüls AG, Hanau-Wolfgang, Germany *Amino Acids*, **777**
- Drees, Stefan, Bayer AG, Leverkusen, Federal Republic of Germany (Section 3.5.1) *Plant and Process Safety*, **361**
- Droste, Bernhard, Bundesanstalt für Materialforschung und -prüfung, Berlin, Federal Republic of Germany (Chap. 4) *Transport, Handling, and Storage*, **487**
- Dutko, Frank J., Sterling-Winthrop Research Institute, Rensselaer, New York 12144, United States (Chap. 4) *Chemotherapeutics*, **1013**
- Eberz, Albert, Bayer AG, Leverkusen, Federal Republic of Germany (Section 2.3) *Plant and Process Safety*, **361**
- Fine, Robert L., National Cancer Institute, Bethesda, Maryland 20205, United States *Cancer Chemotherapy*, **839**
- Förster, Hans, Physikalisches-Technische Bundesanstalt, Braunschweig, Federal Republic of Germany (Section 3.5.3 in part) *Plant and Process Safety*, **361**
- Fränzle, Otto, Christian-Albrechts-Universität, Kiel, Federal Republic of Germany [(Sections 1.1, 1.2, 2.1 (in part), 2.2, 2.3 (in part), 2.4, 3.1, 3.2 (in part))] *Ecology and Ecotoxicology*, **151**
- Geiger, Adrian, Sandoz, Basel, Switzerland (Section 4.2.1) *Plant and Process Safety*, **361**
- Geschke, Frank-Ulrich, Bayer AG, Wuppertal, Federal Republic of Germany *Antimicrobials*, **1075**
- Glor, Martin, Ciba-Geigy AG, Basel, Switzerland (Section 2.2.3) *Plant and Process Safety*, **361**
- Gottstein, Bruno, Institut für Parasitologie, Universität Zürich, Zürich, Switzerland (Section 4.1) *Immunotherapy and Vaccines*, **899**
- Granstrom, Marta, Departments of Clinical Microbiology and of Vaccine Production, National Bacteriological Laboratory, Karolinska Hospital, Stockholm, Sweden (Chap. 3) *Immunotherapy and Vaccines*, **899**
- Grenner, Dieter, Bayer AG, Dormagen, Federal Republic of Germany (Sections 4.4, 4.5) *Plant and Process Safety*, **361**
- Gruber, Joachim, Bayer AG, Leverkusen, Federal Republic of Germany (Section 4.4) *Occupational Health and Safety*, **299**
- Hagen, Hans, Bayer AG, Leverkusen, Federal Republic of Germany (Sections 3.4.1, Section 5.1 in part) *Plant and Process Safety*, **361**
- Hahn, Klaus-Jürgen, Knoll AG, Ludwigshafen, Federal Republic of Germany (Section 4.2) *Pharmaceuticals, General Survey and Development*, **981**
- Harbort, Jürgen, Bayer AG, Leverkusen, Federal Republic of Germany (Section 5.1 in part) *Plant and Process Safety*, **361**
- Harke, Hans-P., Schülke & Mayr, Hamburg/Norderstedt, Federal Republic of Germany *Disinfectants*, **721**
- Hasskarl, Horst, Ludwigshafen, Federal Republic of Germany (Chap. 3) *Pharmaceuticals, General Survey and Development*, **981**
- Hawighorst, Josef, Bayer AG, Leverkusen, Federal Republic of Germany (Sections 6.2.1.1, 6.2.1.2) *Transport, Handling, and Storage*, **487**
- Hesse, Günther, Bayer AG, Brunsbüttel, Federal Republic of Germany (Section 3.5.2) *Plant and Process Safety*, **361**

- Hoppe, Bernd, Degussa-Hüls AG, Frankfurt, Germany *Amino Acids*, **777**
- Hübner, Heinz W., Bundesanstalt für Materialforschung und -prüfung, Berlin, Federal Republic of Germany (Section 6.1) *Transport, Handling, and Storage*, **487**
- Itoda, Muneto, JICIA, Tokyo, Japan (Chap. 7) *Legal Aspects*, **585**
- Jørgensen, Sven Erik, Danmarks Farmaceutiske Højskole, Copenhagen, Denmark (Section 3.3) *Ecology and Ecotoxicology*, **151**
- Kiesselbach, Niko, Bayer AG, Leverkusen, Federal Republic of Germany (Section 4.3) *Occupational Health and Safety*, **299**
- King, Norman, Department of the Environment, London, United Kingdom (Chaps. 5 and 6) *Chemical Products: Safety Regulations*, **553**
- Kleemann, Axel, Hanau, Germany *Amino Acids*, **777**
- Klemchuk, Peter P., CIBA-GEIGY Corporation, Ardsley, New York 10502, United States *Antioxidants*, **699**
- Klusacek, Hans, Bayer AG, Dormagen, Federal Republic of Germany (Section 6.3) *Transport, Handling, and Storage*, **487**
- Kolk, Jan J., Arnhem, The Netherlands (Sections 2.2, 2.3 in part, 4.1, 4.2, 4.5) *Occupational Health and Safety*, **299**
- Krämer, Ludwig, Head of Legal Services, DG XI, European Commission, Brussels, Belgium (Chap. 2, Chap. 5 in part) *Legal Aspects*, **585**
- Kretzschmar, Rolf, Knoll AG, Ludwigshafen, Federal Republic of Germany (Section 4.1) *Pharmaceuticals, General Survey and Development*, **981**
- Krimmer, Hans-Peter, Degussa-Hüls AG, Hanau-Wolfgang, Germany *Amino Acids*, **777**
- Kromarek, Pascale, Elf Aquitaine, Direction Environment, Paris-La-Defense, France (Chap. 5) *Legal Aspects*, **585**
- Kutscher, Bernhard, ASTA Medica AG, Frankfurt am Main, Federal Republic of Germany *Cancer Chemotherapy*, **839**
- Lamb, Donald W., Miles Inc., Pittsburgh, United States (Sections 2.4, 3.10, 4.8) *Occupational Health and Safety*, **299**
- Larrick, James, Genelabs Incorporated, Redwood City, California, United States (Chap. 6) *Immunotherapy and Vaccines*, **899**
- Lersner, Heinrich Freiherr von, Umweltbundesamt, Berlin, Federal Republic of Germany (Chap. 8) *Transport, Handling, and Storage*, **487**
- Leuchtenberger, Wolfgang, Degussa-Hüls AG, Düsseldorf, Germany *Amino Acids*, **777**
- Lipinski, Gert-Wolfgang von Rymon, formerly Hoechst Aktiengesellschaft, Frankfurt, Federal Republic of Germany *Food Additives*, **677**
- Lück, Erich, formerly Hoechst Aktiengesellschaft, Frankfurt, Federal Republic of Germany *Food Additives*, **677**
- Lühr, Hans-Peter, Technische Universität, Institut für wassergefährdende Stoffe, Berlin, Federal Republic of Germany (Chap. 7) *Transport, Handling, and Storage*, **487**
- McGuire, John L., Johnson & Johnson, New Brunswick, New Jersey 08933, United States (Chaps. 1 and 2) *Pharmaceuticals, General Survey and Development*, **981**
- McKinlay, Mark A., Sterling-Winthrop Research Institute, Rensselaer, New York 12144, United States (Chap. 4) *Chemotherapeutics*, **1013**
- Meyer, Gunter, IG-Chemie-Papier-Keramik, Hannover, Federal Republic of Germany (Section 2.1) *Occupational Health and Safety*, **299**
- Mikschke, Leopold W., Bayer AG, Leverkusen, Federal Republic of Germany (Chap. 1, Section 4.6) *Occupational Health and Safety*, **299**
- Mühllegger, Klaus, Boehringer Mannheim GmbH, Tutzing, Federal Republic of Germany (Chap. 9) *Nucleic Acids*, **739**
- Müller, Edmund, BASF Aktiengesellschaft, Ludwigshafen, Federal Republic of Germany (Section 4.3) *Plant and Process Safety*, **361**
- Müller, Michael, Bayer AG, Leverkusen, Federal Republic of Germany (Section 2.2.1, Section 3.5.3 in part) *Plant and Process Safety*, **361**
- Mix, Karl-Heinz, Bayer AG, Leverkusen, Federal Republic of Germany (Section 2.2.4) *Plant and Process Safety*, **361**
- Mujagic, Hamza, National Cancer Institute, Bethesda, Maryland 20205, United States *Cancer Chemotherapy*, **839**
- Noha, Klaus, Hoechst Aktiengesellschaft, Frankfurt, Federal Republic of Germany (Section 4.2.2) *Plant and Process Safety*, **361**
- Noordam, Philip, The Hague, The Netherlands (Sections 2.2, 2.3 in part) *Occupational Health and Safety*, **299**
- Perrin, Luc, Division d'Hématologie, Hôpital Cantonal Universitaire, Genève, Switzerland (Section 4.2) *Immunotherapy and Vaccines*, **899**
- Pfau, Wolfgang, Department of Toxicology and Environmental Medicine of the Fraunhofer Society and Department of Toxicology, Hamburg University Medical School, Hamburg, Germany *Carcinogenic Agents*, **651**
- Pfau, Wolfgang, Umweltmedizin Hamburg e.V. and Institute of Toxicology, Hamburg University Medical School, Hamburg, Germany *Mutagenic Agents*, **667**
- Pilz, Volker, Bayer AG, Leverkusen, Federal Republic of Germany (Chap. 1, Sections 3.1–3.3) *Plant and Process Safety*, **361**
- Rennoch, Detlef, Bundesanstalt für Materialforschung und -prüfung, Berlin, Federal Republic of Germany (Chap. 3) *Transport, Handling, and Storage*, **487**
- Rolle, Annette, Bundesanstalt für Materialforschung und -prüfung, Berlin, Federal Republic of Germany (Section 6.2.2) *Transport, Handling, and Storage*, **487**
- Schacke, Helmut, Bayer AG, Leverkusen, Federal Republic of Germany (Section 3.4.2) *Plant and Process Safety*, **361**
- Schmidt, Axel, Bayer AG, Wuppertal, Federal Republic of Germany *Antimycotics*, **1075**
- Schrörs, Bernd, Bayer AG, Leverkusen, Federal Republic of Germany (Section 3.4.3) *Plant and Process Safety*, **361**
- Schulz, Nikolaus, Bayer AG, Dormagen, Federal Republic of Germany (Sections 4.4, 4.5) *Plant and Process Safety*, **361**
- Seibl, Rudolf, Boehringer Mannheim GmbH, Penzberg, Federal Republic of Germany (Chap. 8) *Nucleic Acids*, **739**
- Smith, Turner T. Jr., Hunton & Williams, Washington, D.C., United States (Chap. 6) *Legal Aspects*, **585**
- Steinbach, Jörg, Schering AG, Berlin, Federal Republic of Germany (Section 2.3) *Plant and Process Safety*, **361**
- Stoessel, Francis, Ciba-Geigy AG, Basel, Switzerland (Section 2.3) *Plant and Process Safety*, **361**
- Straškraba, Milan, Akademie věd České Republiky, Biomatematická laboratoř, Entomologický institut, České Budějovice, Czech Republic (Sections 2.1.4, 2.3.5, 3.2.3) *Ecology and Ecotoxicology*, **151**
- Stroetmann, Clemens, Bad Honnef, Federal Republic of Germany (Chap. 1) *Transport, Handling, and Storage*, **487**
- Vamvakas, Spiridon, Institute of Toxicology, University of Wuerzburg, Germany *Toxicology*, **3**
- Viard, Richard, Bayer AG, Leverkusen, Federal Republic of Germany (Section 3.4.2) *Plant and Process Safety*, **361**
- Visser, Wieger Johannes, Nederlandse Spoorwegen, Utrecht, The Netherlands (Sections 5.1–5.2.1) *Transport, Handling, and Storage*, **487**

- Walper, Matthias, Bayer AG, Brunsbüttel, Federal Republic of Germany (Sections 5.2, 5.3) *Plant and Process Safety*, **361**
- Walther, Claus-Diether, Bayer AG, Leverkusen, Federal Republic of Germany (Section 2.2.2) *Plant and Process Safety*, **361**
- Wandrey, Peter-Andreas, Bundesanstalt für Materialforschung und –prüfung, Berlin, Federal Republic of Germany (Section 2.2.4) *Plant and Process Safety*, **361**
- Weckbecker, Christoph, Degussa-Hüls AG, Hanau-Wolfgang, Germany *Amino Acids*, **777**
- Weidlich, Stephan, Hoechst Aktiengesellschaft, Frankfurt, Federal Republic of Germany (Section 3.4.3) *Plant and Process Safety*, **361**
- Whittaker, Victor P., Arbeitsgruppe Neurochemie, Max-Planck-Institut für biophysikalische Chemie, Göttingen, Federal Republic of Germany
Johannes Gutenberg Universität, Mainz, Federal Republic of Germany *Neuropharmacology*, **1115**
- Widmer, Ulrich, Sandoz, Basel, Switzerland (Section 4.2.1) *Plant and Process Safety*, **361**
- Williamson, Gabrielle H., LeBoeuf, Lamb, Greene & MacRae, Brussels, Belgium (Chap. 4) *Legal Aspects*, **585**
- Wybenga, Frits, International Standards Coordinator, Office of Hazardous Materials Safety, Washington D.C. 20590, United States
(Section 5.2.2) *Transport, Handling, and Storage*, **487**
- Yasogawa, Yoshio, Nippon Kaiji Kentei Kyokai, Tokyo, Japan (Section 5.2.3) *Transport, Handling, and Storage*, **487**
- Yeh, Grace Chao, National Cancer Institute, Bethesda, Maryland 20205, United States *Cancer Chemotherapy*, **839**
- Zahn, Manuel, Knoll AG, Ludwigshafen, Federal Republic of Germany (Section 4.3) *Pharmaceuticals, General Survey and Development*, **981**
- Zimmermann, Jürgen, Bayer AG, Dormagen, Federal Republic of Germany (Sections 4.4, 4.5) *Plant and Process Safety*, **361**

Subject Index



Subject Index

- A**
- A-56620 [98/105-99-8] 1026
- A-76154 882
- Abfallartenkatalog 495
- Abfall-Transport-Berater 495
- Absorption
- gastrointestinal 30
 - of xenobiotics by the respiratory system 31
 - of xenobiotics 28
- Acacia gum
- as thickener 687
- ACC 817
- Acceptable daily intake (ADI) 679
- of food additives 680
- Accident Prevention Regulation 407, 507
- Acedapsone 1037
- Acemuc 817
- Acesulfame-K
- acceptable daily intake value 679
- Acetabs 817
- Acetamin 817
- Acetic acid
- acidulant for foods 690
 - as food preservative, concentration 684
- Acetylcholine
- in synaptic transmission 1128, 1129
- N*-Acetylcysteine 817
- cis*-1-Acetyl-4-[4-[[2-(2,4-dichlorophenyl)-2-(1*H*-imidazol-1-yl)methyl]-1,3-dioxolan-4-yl]methoxy]phenyl]piperazine
- see Ketoconazole* 1079
- Acetyst 817
- Acid Brilliant Green BS
- for coloring of foods 689
- Acidity regulators
- in food industry 693
- Acidol 814
- Acidrine 815
- Acidulants
- for foods 690
- Aciventral 814
- Aclacinomycin A 861
- Acrylonitrile–butadiene–styrene (ABS) polymers
- thermal stability testing 718
- Aethiol 818
- Actinomycetes 1015
- Actinomycin D
- for cancer therapy 863
 - mechanism of action 863
- Activated charcoal
- in food industry 692, 693
- Act on the Supervision of Labor Protection 314
- Acyclovir 766, 769, 1058
- Adenine 740
- Adenosine [58-61-7] 765
- as flavor enhancer 691
- Adenosine monophosphate, cyclic (cAMP) 767
- Adenosine-5'-triphosphate (ATP) 768
- Adiclair 1097
- AD-Merkblätter 510
- ADN (European Agreement concerning the International Transportation of Dangerous Goods by Inland Waterways) 518
- ADNR (Regulations concerning the Transportation of Dangerous Goods on the Rhine) 518
- Adozelesin 864
- ADR (European Agreement concerning the International Transportation of Dangerous Goods by Road) 517
- ADR/RID classes 496, 497
- Adriamycin 859
- Aerosol
- in food industry 693
- Aerosols
- toxicology by absorption 32
- Aflatoxin B₁ 660
- carcinogenicity of 51
- Aflatoxins
- carcinogenicity 660
- Aflorix 1082
- Afate 1104
- AG 331 843
- Agar
- as gelling agent in foods 687
 - as thickener 687
- Agency for Toxic Substances and Disease Registry (ATSDR) 318
- Agisten 1085
- Aglycones
- biotransformation enzyme 45
- Agonists 1134, 1135
- Agrochemicals
- amino acids in 820
- Agupla 873
- AIDS
- 3'-azidothymidine against 1065
 - generation of humabs against 962
 - HIV (Human Immunodeficiency Virus) infection 763
 - HIV infection, therapeutic drug 765
 - intravenous immunoglobulin, prophylaxis against bacterial infections 954
 - pneumocystis infection of patients with 1053
 - virus 1055
- Akneclor 1085
- Aktiferrin 816
- Aktivanad 816
- L-Alanine [56-41-7] 814
- Alanine as flavor enhancer 807
- β -Alanine 785
- D-Alanine 785
- D,L-Alanine 786
- L-Alanine 779, 783
- production 792
- Alber-T 1104
- Albistat 1082
- Alcoban 1098
- Alcobon 1098
- Alcohols
- disinfectant properties 724
- Aldehydes
- as carcinogenic agent 659
- Alginate
- acceptable daily intake values 679
- Alginates
- as gelling agents in foods 687
- Alginic acid
- as thickener 687
- Al-Glycin 815
- Alhydex-Cidex 727
- Alkylating agents
- carcinogenicity 659
 - for cancer therapy 852
- Aloid 1082

- α -Tocopherol
 - lipophilic antioxidant 55
- Altretamine 858
- Alzheimer's disease 1122
- AM-715 1023
- AM-833 [79660-72-3] 1026
- Amantadine
 - hydrochloride 1063
- Amaranth
 - acceptable daily intake values 679
 - for coloring of foods 689
- AmBisome 1094
- Amebas 1039
- Amebiasis 1039
 - biology and chemotherapy 1053
- Amecrin 863
- American Board of Industrial Hygiene (ABIH) 321
- American Conference of Government Industrial Hygienists (ACGIH) 331
- American Industrial Health Council (AIHC) 357
- American Industrial Hygiene Association Journal 330
- American Occupational Hygiene Association (AOHA) 321
- Ames test 106, 670, 997
- Amicel 1087
- Amifloxacin 1025
- Amines, aromatic
 - antioxidants 705
 - as carcinogenic agent 658
- Amines, hindered
 - antioxidants 710
- Amino acid
 - imbalance 827
- Amino acid derivatives
 - as pesticides 820
 - as therapeutic agents 813
- Amino acids 777
 - biosynthesis 801
 - economic significance 826
 - essential and semiessential 802
 - essential, food additives 680
 - essential, requirements of humans 805
 - esupplementation 805
 - glucogenic 802
 - ketogenic 802
 - production by chemical synthesis 790
 - production by extraction 790
 - production by fermentation 791
 - toxicology 827
- 4-Aminobenzenesulfonamide 1027
- 4-Aminobenzoic acid 1028
- γ -Aminobutyrate (GABA) 1129
 - in synaptic transmission 1129
- L- α -Aminobutyric acid 786
- γ -Aminobutyric acid (GABA) 786
- 4-Amino-5-fluoro-2(1H)-pyrimidinone
 - see Flucytosine* 1098
- Aminoglutethimide 876
- α -Aminoisobutyric acid 786
- 4-Aminosalicylic acid 1035, 1036
- Amithiozone 1036
- Ammonium nitrate and fuel oil (ANFO) 392
- Amodiaquine [86-42-0] 1049
- Amorolfine [78613-35-1] 1107
 - hydrochlorid [78613-38-4] 1107
- Ampho-Moronal 1094
- Amphotericin B [1397-89-3] 1094
 - indications and efficacy of 1095
 - MIC values for 1094
- Amsacrine 863
- Amsidine 863
- Amudane
 - see Griseofulvin* 1100
- Amycor 1083
- Amylase (E.C. 2.4.1.1)
 - use in food industry 694
- 4-*tert*-Amylphenol 729
- Anandron 878
- Anastrozole 876
- Ancotil 1098
- Andergin 1082
- Anetil 814
- Aneuploidy
 - in genome mutations 669
- Animal experiments
 - for drug testing 993
- Anorexiant 1126
- Anotit 1082
- Ansidyl 863
- Antagonists 1134
- Antarelix 882
- Anthocyanins
 - for coloring of foods 689
- Anthracyclines
 - for cancer therapy 859
 - mechanism of action 860
 - mechanism of resistance 861
- Antiandrogens
 - in cancer therapy 877
- Antibiotic A 5283
 - see Natamycin* 1096
- Antibiotics
 - for cancer therapy 858
- Antibodies
 - see also Antibodies, monoclonal* 901
 - monoclonal 902
 - monoclonal human (humabs) 906
 - monoclonal, human, immunotherapeutic uses 960
 - polyclonal 902
- Antibodies, monoclonal (mAB)
 - see also Antibodies* 1131
- Anticaking agents
 - as food additives 687
- Antifoaming agents
 - in food industry 693
- Antifungol 1085
- Antigens 901
 - T-dependent and T-independent 903
- Antihormones
 - in cancer therapy 874
- Antimetabolites
 - in cancer therapy 841
- Antimicotic 1085
- Antimony compounds
 - to treat leishmaniasis 1043
- Antimutagenic agents 674
- Antimycotics 1075
- Antimyk Neu 1085
- Antioxidants
 - see also Oxidation inhibitors* 699
 - amino acids as, in foodstuffs 808
 - as food additives 683
- Antiozonants 700
- AntiRESA antibodies 945
- Anti-rheuma 815
- Antisense technology 759
- Antitubulin agent
 - for cancer therapy 866
- Antrypol 1040
- Aplysia 1131
- Apocanda 1085
- β -Apo-8'-carotenal
 - for coloring of foods 689
- Aquilid A 660

9- β -D-Arabinofuranosyladenine (Ara-A)

see also Vidarabin 769, 1059

Ara-C 847

Ara-CTP 847

Aralen hydrochloride and phosphate 1049

Ardesyl 818

Arensin 876

Argiceto 814

Argihepar 814

L-Arginine [74-79-3] 779, 783, 814

2-oxoglutarate 814

as drug [16856-18-1] 814

as drug [7675-83-4] 814

as drug [4320-30-3] 814

L-aspartate 814

L-glutamate 814

hydrochloride [1119-34-2] 814

production 792

L-pyroglutamate 814

Argivene 814

Arildone [56219-57-9] 1065

Arimedex 876

Aristeromycin 765

Aristolochic acid I 660

Armitage-Doll model

toxicologic risk estimation 136

Aroclor 1254 108

Aromagrams 691

Aromatase inhibitors

in cancer therapy 876

mechanism of action 877

Arsenal 821

Artemia

toxicity studies with 240

ARW value (Arbeitsplatzrichtwerte) 374

Asbestos

carcinogenicity 661

Asbestos Act 316

Ascending reticular activation system 1122

Ascorbic acid

antioxidant 55

acceptable daily intake values 679

as antioxidant for food 683, 684

as dough conditioner 693

Asellus

toxicity studies with 240

Aslos-C 818

L-Asparagine [70-47-3] 814

as drug 814

monohydrate [5794-13-8] 814

L-Asparagine 783

production 793

α -Aspartame 808

acceptable daily intake values 679

L-Aspartate

in synaptic transmission 1129

D,L-Aspartic acid [617-45-8] 786, 814

as drug 814

magnesium salt, tetrahydrate [52101-01-6] 814

potassium salt, semihydrate [923-09-1] 814

sodium salt, monohydrate 814

L-Aspartic acid [56-84-8] 783, 814

as drug 814

ferrous salt, tetrahydrate 814

magnesium salt, dihydrate [2068-80-6] 814

potassium salt, semihydrate [1115-63-5] 814

production 792

sodium salt, monohydrate [3792-50-5] 814

Aspisol 816

Assert 821

Association of German Electrical Engineers (VDE)

occupational safety system control 304

Association of German Engineers (VDI)

occupational safety system control 304

Astrocyte 1117

AT-2266 1025

Atamestane 876

Athens 816

Autopharmacological agent 1127

Autoradiography

for investigation of neural activity 1127

Autotroph 175

Avlosulfon 1037

Axon 1116

Axonal transport 1135

5-Azacytidine 846

mechanism of action 846

mechanism of resistance 846

Azaline B 881

Azameno 1089

3'-Azidothymidine (AZT; Zidovudine) 765, 769, 1065

Azactones 782

Azodicarbonamide

as dough conditioner 693

Azolmen 1083

Azo Rubine

acceptable daily intake values 679

for coloring of foods 689

Azotrex 1032

Azubrondüin 817

Azutrimazol 1085

B

Babesia 1052

Babesiosis 1039

Baccidal 1023

Bacteria

pathogenic bacteria 1014

Bacterial antigen target

generation of human monoclonal antibodies 961

Bacterial infections

chemotherapy 1018

hospital-acquired, generation of humabs against 961

hospital-acquired (nosocomial), vaccines against 915

intravenous immunoglobulin against 954

selection of antimicrobial agent for 1017

Bacterial vaccines 906

Bactrim 1030

Baked goods

additives for 685

Baked products

emulsifiers in 685

Balantidiasis 1039

BAM oven 387

Barcroft-Warburg test 683

Basta 820

Batrafen 1102

BAT value 339

Bay 09867 1024

Bay 5097

see Clotrimazole 1085

Bayer 205 1040

Bayer 2502 1042

Bay h 4502

see Bifonazole 1083

B cells 903

BCNU 855

Beetroot Red

for coloring of foods 689

Belganyl 1040

Benalaxyl 823

Benefluor 849

Bentonite

as clarifying agent in food industry 692

- Benzalkonium chloride (BAK) [8001-54-5] 730, 1108
- Benzene
 as carcinogenic agent 658
- Benzene Act 317
- Benznidazole 1042
- Benzoic acid
 acceptable daily intake values 679
 as food preservative, concentration 684
 metabolism 679
- Benzoylprop 821
- Benzyl alcohol
 disinfectant properties 727
- 2-Benzyl-4-chlorophenol
 as disinfectant 729
- Berenil [908-54-3] 1041
 free bas [536-71-0] 1041
- Beryllium
 carcinogenicity 659
- Betaine [107-43-7] 786, 814
 as drug 814
 citrate [17671-50-0] 814
 hydrochloride [590-46-5] 814
 monohydrate [17146-86-0] 814
- Betanin
 for coloring of foods 689
- Beytout 1096
- B-GF 1100
- Bialofos 820
- Bicalutamide 878
- Bifonazole [60628-96-8] 1083
 MIC values for 1083
- Bilanafos 820
- Bioassay 1128
- Bioconcentration 219
- Biodegradation 217
- Biofanal 1097
- Biological effect monitoring (BEM) 333
 for some chemicals 339
- Biological exposure index (BEI) 341
- Biological monitoring (BM) 337
 interpretation of data 339
- Biological occupational limit 339
- Biological oxygen demand (BOD) 236
- Biome 180
- Bioprotein-Holzinger 815
- Biotechnology
 safety testing of biotechnological products 997
- Biotransformation 217
 of xenobiotics 37
- Biozolene 1077
- 1-([1,1'-Biphenyl]-4-ylphenylmethyl)-1*H*-imidazole
see Bifonazole 1083
- Bisantrene hydrochloride 862
- Bisolvon 817
- Bixin
 for coloring of foods 689
- Bizelesin 865
- Black PN
 for coloring of foods 689
- Blasticidine [2079-00-7] 765
- Blauer Engel 581
- Bleaching agent
 in foods 689
- Bleomycins 864
 for cancer therapy 863
- Blood
 distribution of xenobiotics 33
- Botulinum toxin 1128
- Bowen ratio 173
- Box model
 in ecotoxicology 222
- Brachydanio rerio
 in toxicity tests 235, 240, 562
- Brain
 human anatomy of 1121
 perfusion 1127
 weight 1119
- Brandschacht test 378
- Brenazol 1082
- Brentan 1082
- Brilliant Black BN
 for coloring of foods 689
- Britane 1082
- British Examining and Registration Board in Occupational
 Hygiene (BERBOH) 321
- Bromelain (E.C. 3.4.22.5)
 use in food industry 694
- Bromovinyldeoxuridine [73110-56-2] 1060
- Bronchathiol 817
- Bronchocyt 817
- Bronchokod 817
- Broncloclar 817
- Broncoclar 817
- Broncorinol 817
- Bronkirex 817
- Broxyquinoline [521-74-4] 1054
- Brumixol 1102
- Brumoc 817
- Brunac 817
- Bryostatin 883
- Buciclovir 1062
- Buehler test 98
- Bulk container
 for solid bulk cargo 534
- Bulking agents
 as food additives 681
- Bulk storage 537
- Bulk transport 526
 solid bulk cargo 533
- Buraton 10F 726
- Burkitt's lymphoma 661
- Bursting disk
 brittle plates 439
 membrane-type 439
 shells of revolution 439
- Buserelin 879, 880
- Butoconazole [64872-76-0] 1084
 nitrat [64872-77-1] 1084
- Butylated hydroxyanisole
 acceptable daily intake values 679
 as antioxidant for food 684
- Butylated hydroxytoluene 704
 acceptable daily intake values 679
 as antioxidant for food 684
- tert*-Butylhydroquinone
 as antioxidant for food 684
- tert*-Butylphenols
 antioxidants 704
- C**
- Cabagin 818
- Cadotussyl 817
- Cadre 821
- Calcium
 homeostasis perturbation by xenobiotics 77
- Calcium gluconate
 as food additive 684
- Calcium polyphosphate
 as food additive 684
- Calcium stearate
 as anticaking agent 688
- Calicheamicin 865

- Calorimetry
 screening method in process safety 401
- Camoquin hydrochloride 1049
- Campto 869
- Camptothecin 868
 mechanism of action 869
- Cancer
 by mutagenic agents 670
 causal link between mutation and 83
- Candex 1097
- Candio-Hermal 1097
- Candoral 1080
- Canesten 1085
- Canifug 1085
- Canofite 1082
- Canstat 1097
- Canthaxanthin
 for coloring of foods 689
- Capsanthin
 for coloring of foods 689
- Capsorubin
 for coloring of foods 689
- Caramel
 acceptable daily intake values 679
 for coloring of foods 689
- Carassius auratus
 toxicity studies with 235
- 4-Carbamoylimidazolium-5-olate 852
- 5-Carbamoyl-1*H*-imidazol-4-yl piperonylate 852
- Carbocit 818
- Carbocysteine 817
- Carbon black
 for coloring of foods 689
- Carbon cycle 178
- Carbon dioxide
 in food packaging 685
- Carbon tetrachloride
 biotransformation to trichloromethyl radical 53
- Carboplat 873
- Carboplatin 873
- S*-Carboxymethyl-L-cysteine [638-23-3] 817
- Carcinil 879
- Carcinogenesis 78, 651
 EU classification 560
 of chemical products 560
 mechanisms of 84
 transplacental 85
- Carcinogenicity
 of chemicals in rodents 103
- Carcinogens 651
 genotoxic mechanisms 652
 human 662
 identification of 655
 nongenotoxic mechanisms 654
 test in drugs 997
- Carminic acid
 for coloring of foods 689
- Carmoisin
 for coloring of foods 689
- Carmustine 855
- Carnidazole [42116-76-7] 1045
- L-Carnitine 786
- Carob gum
 as thickener 687
- Carotene
 for coloring of foods 689
- Carotenoids
 for coloring of foods 689
- Carrageenan
 as gelling agent in foods 687
 as thickener 687
- Carrier solvent
 in food industry 692
- Carzelesin 865
- Casein
 as clarifying agent in food industry 692
- Casodex 878
- CC-1065 864
- CCNU 855
- cDNA
 in situ hybridization 1122
- Cellulose
 as filter aid in food industry 693
- Cellulose ethers
 acceptable daily intake values 679
 as thickeners 687
- Central nervous system (CNS)
 sensory neurons 1116
- Centrifugation
 to measure molecular mass of DNA 751
- Cestodes
 vaccines against 940
- CetonaX 1080
- Cetrorelix 881
- Cetylpyridinium chloride
 disinfectant properties 730
- Chagas' disease 1039
- Chalcone Ro 09-0410 [76554-66-0] 1064
- Cheese
 emulsifying salts in cheese industry 693
- Cheihepar 815
- Chemical oxygen demand (COD) 236
- Chemical Products
 Safety Regulations 553
- Chemicals Act 314, 407
- Chemicals Hazard Information and Packaging (CHIP) 313
- Chemicals Law (Chemikaliengesetz) 306
- Chemical thermodynamic and hazard evaluation (CHETAH) 392
- Chemikaliengesetz 987
- Chemionazolo 1087
- Chemotherapeutics 1013
 based on antisense inhibition 757
- Chewing gum
 bases 691
- Chimassorb 944LD 710
- Chinofon 1055
- Chinofungin 1104
- Chiral compounds 778
- Chlamydia 1015
 generation of humabs against 962
- Chlorambucil 854
- Chlorella
 toxicity studies with 240
- Chlorella pyrenoidosa
 toxicity studies with 238
- Chlorhexidine
 see also 1,6-Bis(4'-chlorophenylbiguanide)hexane 730
- Chlorine
 disinfectant properties of aqueous solutions 733
- Chlorisep 1104
- Chlormidazole [3689-76-7] 1108
- 1-[1-[2-(3-Chlorobenzoyloxy)phenyl]vinyl]imidazole
 see Croconazole 1086
- 4-Chloro-3,5-dimethylphenol
 see also *p*-Chloro-*m*-xylene 729
- 4-[Bis(2-chloroethyl)amino]-L-phenylalanine [148-82-3] 853
- 1-(2-Chloroethyl)-3-(4-methylcyclohexyl)-1-nitrosourea 855
- N*-(2-Chloroethyl)-*N'*-cyclohexyl-*N*-nitrosourea 855
- Chloroguanide [500-92-5] 1050
 hydrochloride [637-32-1] 1050
- 4-Chloro-3-methylphenol
 as disinfectant 729

- Chlorophene
see also 2-Benzyl-4-chlorophenol 729
 (Z)-1-[2-[2-(4-Chlorophenoxy)ethoxy]-2-(2,4-dichlorophenyl)-1-methylethenyl]-1H-imidazole
see Omoconazole 1089
 1-[(2-Chlorophenyl)diphenylmethyl]-1H-imidazole
see Clotrimazole 1085
 1-[2-[[4-(4-Chlorophenyl)methyl]thio]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole
see Sulconazole 1091
 Chlorophyll, C.I. 75810
 for coloring of foods 689
 Chloroquine [54-05-7] 1048
 Chloroquinaldol [72-80-0] 1108
 1-[2-[(2-Chloro-3-thienyl)methyloxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole
see Tioconazole 1093
 7-Chloro-4,6-trimethoxy-6'-methylspiro[benzofuran-2(3H),1'-[2]cyclohexene]-3,4'-dione
see Griseofulvin 1099
 Chloroxylenol 729
 Chlorozotocin 855, 856
 1-[2-[(4-Chlorophenyl)methoxy]-2-(2,4-dichlorophenyl)ethyl]-1H-imidazole
see Econazole 1086
 Chlortritylimidazole
see Clotrimazole 1085
 Chocolate
 additives for 686
 Cholestal 815
 Cholecystokinin (CCK) 1130
 Cholera vaccine 914
 Chromatin 80
 Chromium
 carcinogenicity 659
 Chromosome, Philadelphia 764
 Chromosomes 745
 linear 743
 Cl-934 [91188-00-0] 1027
 Cl-919 1025
 Cicatrex 814, 815
 Ciclochem 1102
 Ciclopirox [29342-05-0] 1101
 Ciclopirox olamin [41621-49-2] 1101
 Ciclopirox olamine
 MIC values for 1102
 Ciliates 1039
 infections by, and chemotherapy 1053
 Cinoxacin 1021
 Cinubac 1021
 Ciprofloxacin 1023
 Circular dichroism (CD) 780
 Circumsporozoite protein 943
 Cisplatin 871
 Citrates
 as food additives 684
 emulsifying salts in cheese industry 693
 Citric acid
 acidulant for foods 690
 as food additive 684
 Citrulline [372-75-8] 814
 D-Citrulline 786
 L-Citrulline 786
 CL 12625
see Natamycin 1096
 Cladribine 849
 Clarifying agents
 in food industry 692
 Clastogens 669
 Clazol 1085
 Cloiquinol [130-26-7] 1054
 Cloxim 1085
 Clofazimine 1037
 Clofibrate
 toxicology 72
 Clot-basan 1085
 Clotrifug 1085
 Clotrimaderm 1085
 Clotrimazole [23593-75-1] 1085
 MIC values for 1083
 Clotrimix 1085
 clotri OPT 1085
 Clotrizol 1085
 Clouding agents
 as food additives 687
 Clozole 1085
 CM 8282 (mononitrate)
see Omoconazole 1089
 Coating agents
 as food additives 688
 Cocci 1015
 Coccidiosis 1039
 Cochineal
 for coloring of foods 689
 Cochineal Red A
 for coloring of foods 689
 Cocol 1098
 Code on the Safe Handling of Bulk Cargoes 535
 Codon 746
 Codotussyl 817
 Coenzyme A[85-61-0] 768
 Coforin 849
 Cofrim 1030
 Collaborating Center of International Drug Monitoring (WHO) 1001
 Coloring agents
 for foods 688
 Color stabilizer
 for foods 689
 Comet assay 672
 Committee of Dangerous Substances (AGS) 306, 506
 Comprehensive Environmental Response Compensation Liability Act (CERCLA) 612
 Co-mutagens 674
 CONCAWE 545
 Conference for Environment and Development (UNCED) 546
 Conoderm 1082
 Conofite 1082
 Construction materials
 classification of flammability and test method for 378, 415
 Contract Regarding Interim Supplement to Tanker Liability for Oil Pollution (CHRISTAL) 612
 Contrafungin 1085
 Controlled pore glass (CPG) 755
 Control of Substances Hazardous to Health (COSHH) 313
 Convention on the Limitation of Liability for Maritime Claims (CLLMC) 608
 Copepoda
 toxicity studies with 240
 Copper
 deactivation of, in polyolefins 711
 Cordycepin 765
 Corrosive substances
 transport, handling, and storage 504
 Corroverlan 814
 Corticotropin (adenocorticotrophic hormone; ACTH) 1130
 Cotinazin 1034
 Cotton effect 780
 Council of State Decision on the Protection of Workers 315
 Crayfish
 inhibitory transmission in 1130
 Creatine 786
 Croconazole [77175-51-0] 1086
 hydrochloride [77174-66-4] 1086

- Cryptosporidium 1039, 1052
 Cryptoxanthin
 for coloring of foods 689
 Cuprimine 819
 Curare 1128
 Curcumin
 for coloring of foods 689
 Curling Factor
 see Griseofulvin 1100
 Cutistad 1085
 Cyabin 862
 Cyanox 1790 704
 Cyanox 2246 704
 Cyasorb UV 3346 710
 Cybis 1020
 Cyclamate
 acceptable daily intake values 679
 Cycaradine [69979-46-0] 1061
 D-Cyclohexylalanine 786
 6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone
 see Ciclopirox 1101
 6-Cyclohexyl-1-hydroxy-4-methyl-2(1*H*)-pyridinone olamine
 see Ciclopirox olamine 1101
 Cyclophosphamide 854
 mechanism of action 854
 mechanism of resistance 854
 Cymerin 856
 Cyprinus carpio
 toxicity studies with 240
 used in toxicity tests 562
 Cysteine as flavor enhancer 807
 L-Cysteine [52-90-4] 814
 Cysteine hydrochloride
 as dough conditioner 693
 L-Cysteine 779, 783
 as drug 815
 hydrochloride [52-89-1] 815
 hydrochloride monohydrate [7048-04-6] 815
 production 793
 Cysticercosis
 vaccine against 940
 Cystin "Brunner" 815
 L-Cystine 779, 783, 793
 Cytarabine 847
 Cytidine 765
 Cytochrome P450 39
 mechanism of enzyme induction 59
 oxidation catalyzed by 44
 Cytochromes P450
 catalyst in the biotransformation of xenobiotics 40
 Cytogenetic assays
 tests for 116
 Cytomegalovirus
 generation of neutralizing humabs 962
 intravenous immunoglobulin against 953
 Cytosine 740
 Cytosine arabinoside 847
 mechanism of action 847
 mechanism of resistance 847
 Cytotoxicity
 mechanisms of 69
- D**
- Dacarbazine 858
 mechanism of action 858
 Dactinomycin 863
 Dafnegin 1102
 Daktar 1082
 Daktarin 1082
 Danger classification
 values based on animal tests 568
- Dangerous goods
 danger categories 568
 danger symbols for transport 565
 EU classification 567
 storage of 506
 symbols for danger categories 568
 transportation of 565
 transport classification 496
 Dangerous goods regulations
 international harmonization 546
 Danger symbols 565
 Dantrirem 1038
 Daphnia magna
 toxicity studies with 234
 Dapsone
 see also 4,4'-Diaminodiphenyl sulfone 1036
 Daraprim 1028, 1050
 Daunomycin 859
 Daunorubicin 859
 (3*S*,4*aS*,8*aS*)-Decahydroisoquinolinecarboxylic acid 786
 Decapeptyl 879
 Declaration of Helsinki 989, 1001
 Decomposer 177
 Decomyc 1082
 Decree on Carcinogenic Substances and Processes 316
 Decree on Commercial and Noncommercial Services 316
 Decree on Industry and Workshops 316
 Decree on Specific Harmful Chemical Compounds 316
 Deep drainage
 mathematical treatment 171
 Deflagration to detonation transition (DDT) 393
 Delgesic 816
 Delmofulvina 1100
 Dendrites 1116
 Deoxyadenosine [958-09-8] 765
 Deoxycytidine 765, 848
 2'-Deoxy-5-fluorouridine 844
 5'-Deoxy-5-fluorouridine 845
 Deoxyguanosine 765
 Depen 819
 Deralbine 1082
 Dermacure 1082
 Dermatitis 98
 Dermazol 1087
 Dermazole 1087
 Dermofix 1090
 Dermonistat 1082
 Dermoseptic 1090
 Dermo-Trosyd 1093
 Deronga 1096
 Design Institute of Emergency Relief Systems (DIERS) 440
 Deutsche Forschungsgemeinschaft (DFG) 326
 Deutsche Industrienorm (DIN)
 occupational safety system control 304
 Dewar test
 screening method for process safety 400
 DHFR 841
 Diabetics
 nutritive sweeteners for 689, 690
 L-2,3-Diaminopropionic acid 787
cis-Diamminedichloroplatinum 871
 Diasone sodium enterab 1037
 Diastatin 1097
 Dibenzthione [350-12-9] 1108
 1,2-Dibromoethane
 metabolization by glutathione 52
 Dibromosalane [87-12-7] 1108
 2,6-Di-*tert*-butyl-4-methylphenol (BHT) 704
 2,6-Di-*tert*-butylphenol 704
 Dichlorodiphenyltrichloroethane
 toxicology 73
 4',6-Dichloroflavan 1064

- Dichlorophene [97-23-4] 1108
- 1-[2-(2,4-Dichlorophenyl)-2-[(2,4-dichlorophenyl)methoxy]ethyl]-1*H*-imidazole
see *Miconazole* 1081
- 1-[2-(2,4-Dichlorophenyl)-2-[(2,6-dichlorophenyl)methoxy]ethyl]-1*H*-imidazole
see *Isoconazole* 1088
- (*Z*)-1-(2,4-Dichlorophenyl)-2-(1*H*-imidazol-1-yl)ethanone
O-[(2,4-dichlorophenyl)methyl]oxime
see *Oxiconazole* 1089
- 1-[2-(2,4-Dichlorophenyl)-2-[[4-(phenylthio)phenyl]methoxy]ethyl]-1*H*-imidazole
see *Fenticonazole* 1087
- cis*-1-[4-[[2-(2,4-Dichlorophenyl)-2-(1*H*-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]methoxy]phenyl]-4-(1-methylethyl)piperazine
see *Terconazole* 1091
- 4-[4-[4-[[2,4-Dichlorophenyl)-2-(1*H*-1,2,4-triazol-1-ylmethyl)-1,3-dioxolan-4-yl]-methoxy]phenyl]-1-piperazinyl]phenyl]-2,4-dihydro-2-(1-methylpropyl)-3*H*-1,2,4-triazol-3-one
see *Itraconazole* 1078
- 2',3'-Dideoxyadenosine (ddA) 769
- 2',3'-Dideoxycytidine (ddC) 769
- 2',3'-Dideoxyinosine (ddI) 769
- Dietetic products
 amino acids in 806
- 2-(Diethylamino)ethyl-2,2-diphenylpentanoate
 influence on biotransformation enzymes 59
- Diethylhexyl phthalate
 toxicology 72
- Diets, elemental 813
- Difloxacin 1026
- Diflucan 1077
- α -(2,4-difluorophenyl)- α -(1*H*-1,2,4-triazol-1-ylmethyl)-1*H*-1,2,4-triazole-1-ethanol
see *Fluconazole* 1077
- Dignotrimazol 1085
- Dihydro-5-azacytidine 847
- 5,6-Dihydrodeoxycytidine 57
- Dihydrofolate reductase (DHFR)
 inhibition of, in cancer chemotherapy 841
- 1-3,4-Dihydroxyphenylalanine (*L*-DOPA) 787
- 1-3,4-Dihydroxyphenylalanine (*L*-DOPA) 818
- 9-(1,3-Dihydroxy-2-propoxymethyl)guanine (DHPG) 769, 1062
- 2,5-Diketopiperazines 782
- Dilauryl thiodipropionate
 as antioxidant 708
 as antioxidant for food 684
- Diloxanide [579-38-4] 1055
 furoat [3736-81-0] 1055
- (*E*)-*N*-(6,6-Dimethyl-2-hepten-4-ynyl)-*N*-methyl-1-naphthalenemethanamine
see *Terbinafine* 1105
- Dimycon 1077
- Dinacrin 1034
- Dipeptides 778
- Diphenyl
 as food preservative, concentration 684
- Diphtheria
 prophylaxis with hyperimmune globulin from horse blood 952
- Diphtheria toxoid
 generation of humabs against 961
- Diphtheria vaccine 906
- Directive of Dangerous Substances 506
- Directorate General V 317
- Disinfectants 721
 toxicology 733, 734
- Disoxaril [87495-31-6] 1065
- Dissection
 investigating the nervous system by 1122
- Distamine 819
- DL-8280 1025
- DMDR 859
- A-DNA 741
- B-DNA 741
- C-DNA 741
- DNA-RNA hybrids 744, 749
- D-DNA 741
- DNA damage
 methods to assess primary 120
 test systems providing indirect evidence 114
- DNA (deoxyribonucleic acid)
see also *Nucleic acids* 740
see also *Nucleic acids* 739, 740
- bending 742
- breathing 740, 742
- chromosomal 750
- detection of human sequences 764
- methylation 749
- plasmid 750
- recombination 749
- repair 749
- repeats 742
- replication 745
- replication, lagging strand synthesis 745
- replication, leading strand synthesis 745
- sequencing techniques for 750
- supercoiling 742
- triple helix 743
- repair 81
- strand breaks 83
- structure and function 79
- transcription 81
- translation 81
- DNA repair
 base excision repair 669
 nucleotide excision repair 669
- T-DNA 741
- Z-DNA 741
- Docetaxel 870
- Doloxalan 1085
- Dominant lethal test 114
- Domiphen bromide [13900-14-6] 1108
- Dopaflex 818
- Dopamine 1121
 in synaptic transmission 1129, 1130
- Doparl 818
- Dopasol 818
- Dopaston 818
- Dose-response relationship
 factors influencing 19
 types of 14
- Dose-response relationship
 for cumulative effects 18
- Dough conditioners 693
- Down's syndrome 669
- Doxorubicin 859
- Drill Expectorant 817
- Drogenil 878
- Droloxifene 875
- Drop test
 for dangerous goods equipment 511
- Drosophila melanogaster*
 mutation tests in 112
- Drug
 drug liability 991
 drug marketing 990
 legal requirements 985
 quality control 1002
 testing 992
 toxicology 995

- Drug development 987
 clinical trials 987, 997
Drug-resistant bacteria 1017
DTIC 858
Duchenne's muscular dystrophy 764
Dumicoat 1082
Duocarmycin A 865
durabronchal 817
Durafungol 1085
Dust
 explosion indices of dust-air mixture 386
 ignition sensitivity of dust cloud 387
Dust explosibility 389
Dyes
 for foods 689
Dynemicin 865
Dysentery, bacillary
 vaccine against 913
- E**
Eastman Inhibitor OABH 713
(E)-5-(2-Bromovinyl)-2'-deoxyuridine (BVDU) 769
Ecalin 1087
Eco-Cycle Waste Law 634
Ecolabeling 581
 EC regulation 582
 EU official logo for 582
 EU scheme 582
 Nordic scheme 582
Ecology 151
 equilibrium constants for chemical distribution 210
 principles of 157
 risk assessment 259
Eco Mi 1087
Econazole [27220-47-9] 1086
 MIC values for 1087
 nitrate [68797-31-9] 1086
Ecorex 1087
Ecostatin 1087
Ecosystem
 biplot analysis 161
 canonical correspondence analysis 161
 chi-square automatic interaction detection 163
 degradative, allogenic, autogenic succession 163
 dominance-controlled community 166
 energy balance 171
 founder-controlled community 167
 gradient analysis 161, 163
 model of 158
 nutrient cycles and nutrient cycling in 174, 177
 ordination in 161
 primary and secondary production 186
 productivity of 180
 rank-abundance diagrams in 161
 sensitivity of 190, 200
 stability and resilience of 207
 water balance of 168
Ecosystem, aquatic
 impact of xenobiotics 252
Ecosystem dynamics
 essential processes of 180
Ecosystem evolution
 model of long-term 209
Ecotones
 lentic 190
 lotic 188
 sensitivity of 190, 206
 terrestrial 188
Ecotoxicology 219
 acid-base reactions 277
 biomagnification 275
 biotic PNEC estimates 244
 concentration factor 275
 dispersion in 222
 distribution of a chemical compound 276
 elimination in 222
 fugacity models 280
 models 266
 of chemical products 561
 PEC estimates in the air 224
 PEC estimates in waters 229
 photolysis 277
 PNEC estimates for soil 242
 release estimation in 220
 risk assessment 259
 test systems 234
 variogram analysis 224
Edatrexate 843
Eisenia foetida 563
Elazor 1077
Electrode
 microelectrode 1124
 multibarrelled electrode 1124
 patch-clamp electrode 1124, 1125
Electron microscopy
 for nucleic acid analyses 751
 investigating the nervous system by 1122
Electrophoresis
 of amino acids 825
 of DNA 752
 polyacrylamide gel, for oligonucleotide separation 757
 pulse-field, of DNA 752
Ellipticine
 for DNA strand cleavage 743
EMBL 750
Embryotoxicity 85, 100
 by chemical products 561
 patterns of dose-response in 86
Emergency Procedures for Ships carrying Dangerous Goods 516
Emodin 660
Empetid 1085
Employers' Liability Insurance Association of Chemical Industries 367, 507
Emulsifier
 as food additives 685
 in baked goods 685
Enantiomer 778, 780
Enatone 879
Encephalitis
 by tick bite, vaccine against 934
 japanese, vaccine against 934
Endocytosis 1123
Endorphin 1128
Endotoxins, gram-negative
 generation of humabs against 961
Engineering Code for Flammable Liquids (TRbF) 471, 507
Enkephalin 1128
Ennades 867
Enocitabine 848
Enoxacin 1024
Environmental impact assessment laws 633
Environmental legislation
 European 631
 United States 631
Environmental Protection Agency (EPA) 318
Enviroxime 1064
Enzyme inhibitors
 in cancer therapy 883
Enzymes
 use in food industry 694
 in xenobiotics biotransformation 38
EP certificate of suitability 1011

- Epectan 818
 4'-Epiadriamycin 859
 Epidermis
 absorption of xenobiotics through 27
 Epilepsy 1130
 Epi-Monistat 1082
 Epi-Pevaryl 1087
 Epirubicin 859
 Epitopes 901
 Epothilone A 871
 Epothilone B 871
 Epstein Barr virus
 generation of humabs against 962
 Equipment Safety Act 304, 407
 Ergonomics 345
 assessment and testing criteria 346
 Erythorbic acid
 as antioxidant for food 684
 Erythrosin B, C.I. 45430
 acceptable daily intake values 679
 for coloring of foods 689
 Escherichia coli
 DNA helix form 741
 DNA replication 746
 mRNA length 747
 species differentiation 764
 vaccine against 916, 919
 mutagenicity tests in 112
 Esperamicin 865
 Estracyt 855
 Estramustine 855
 Estrimex 874
 Ethambutol hydrochloride 1034
 Ethanol (ethyl alcohol)
 disinfectant properties 724
 Ethanox 330 704
 Ethionamide 1035
 Ethoxyquin
 as antioxidant for food 684
 Ethylenediaminetetraacetic acid (EDTA)
 Ca or Na salt as food additive 684
 2-Ethylhexanal
 disinfectant properties 726
 2-Ethyl-1-hexanol
 disinfectant properties 724
 Ethyl maltol
 acceptable daily intake values 679
 as flavor enhancer 691
 2-Ethylthioisonicotinamide 1035
 Etoposide 868
 Etramon 1087
 Eu-5306 1025
 Eucaryotic cells 739
 Eucol 814
 Eugenol (2-methoxy-4-allylphenol) 729
 Eulerian model
 in ecotoxicology 223
 Eulexin 878
 Euploidy
 in genome mutations 669
 Euronac 817
 European Committee on Legal Cooperation (CDCJ) 609
 European Community (EC) 593
 directives with regard to the transport of dangerous goods
 518
 EC legislation 593
 measures 614
 European Court of Justice (ECJ) 593
 European Economic Community (EEC) 593
 European legislation
 for occupational health and safety 317
 European Union (EU)
 exports of waste from 621
 imports of waste into 621
 shipments of waste between member states 620
 transit of waste 622
 waste shipments in 613
 European Waste Catalogue 635
 Eurosan 1085
 Excitatory postsynaptic potential (EPSP) 1125
 Exelderm 1091
 Exemestane 876
 Exocytosis 1123
 Exoderil 1105
 Exomuc 817
 Exon shuffling 747
 Expert Commission on Safety in the Swiss Chemical Industry
 (ESCS) 410
 Explosion
 definition 391
 mechanisms 392
 Explosion barrier 442
 Explosion limit (EL) 390
 Explosion pressure 381
 as a function of time 390
 Explosion prevention 425
 Explosion protection 425
 Explosion range
 pressure dependence of 381
 Explosion risk 419
 Explosion risk assessment
 keywords for 426
 Explosion risk reduction 426
 Explosives
 grouping of 392
 Explosives, desensitized
 transport, handling, and storage 501
 Extractants
 in food industry 692
 Ezon-T 1104
- F**
 Fadzole 876
 Failure modes and effects analysis (FMEA) 397, 412
 Falvin 1088
 Fanasil 1032
 Fareston 874
 Farmorbucic 859
 Fasigyn 1045
 Faslodex 875
 Fatty acids
 salts and other derivatives, as food additives 686
 Fault tree analysis 413
 Fazol 1088
 FB b 5097
 see Clotrimazole 1085
 5-FC
 see Flucytosine 1098
 FCE 24517 865
 Fc receptors 948
 -mediated clearance 956
 Federal Institute for Materials Research and Testing (BAM) 507
 Federal Institution of Industrial Medicine 307
 Federal Institution of Industrial Safety 307
 Federal Ministry of Labor 307
 Feeds
 formulation of feed mixes 810
 Felacomp 814, 815
 Femcare 1085
 Femcosyn 1084
 Fameron 1082
 Femstat 1084
 Fenizolan 1088

- Fenticonazole 1087
 nitrate [73151-29-8] 1087
- Fentiderm 1088
- Fentigyn 1088
- FI-7045 (free base)
see Sertaconazole 1090
- FI-7056 (mononitrate)
see Sertaconazole 1090
- FIAC [69124-05-6] 848, 1060
- Ficin (E.C. 3.4.22.3)
 use in food industry 694
- Filariasis
 design of vaccine against 939
- Filter aids
 in food industry 692
- Fire protection 415
 design and construction of chemical plants 417
 equipment 417
 fire-fighting methods 418
 in transport, handling, and storage 511
- Fischer–Helfferich principle 767
- Fischer projection 780
- Fitonal 1080
- Fitonax 1087
- Flacar 814
- Flagellates 1039
- Flagyl 1038
- Flame arrester 442
 crimped-ribbon-type 442
 for dust–air mixture 444
 wet-type (siphon arrester) 442
 with temperature monitoring and steam injection 444
- Flame detachment 379
- Flammability index test equipment 377
- Flammable liquids
 transport, handling, and storage 499
- Flammable solids
 transport, handling, and storage 500
- Flamprop-M 822
- Flash point test equipment 375
- Flavin-dependent monooxygenases
 xenobiotic oxidation by 41
- Flavine adenine dinucleotide (FAD) 768
- Flavor enhancer 691
- Flavoring
 artificial 691
 natural 691
 nature-identical 691
- Flavorings 691
- Flavors and fragrances
 amino acids as flavor and taste enhancers 806
- Flavoxanthin
 for coloring of foods 689
- Florid 1082
- Flour improver 693
- Floxuridine 844
- Fluconazole [86386-73-4] 1077
- Flucytosine [2022-85-7] 1098
 MIC values for 1099
- Fludara 849
- Fludarabine
 mechanism of action 849
- Fludarabine phosphate 849
- Fluditec 817
- Fluifort 818
- Fluimucil 817
- Fluimucil Antibiotic 750 817
- Flumark 1025
- Flumequine 1026
- Fluoconazole
 MIC values for 1077
- Fluorescent reagents
 for analysis of amino acids 824
- Fluorocytosine
see Flucytosine 1098
- 2'-fluoro-5-iodo-1- β -D-arabinofuranosylcytosine 848
- Fluoropyrimidines
 in cancer therapy 844
- Fluoroquinolones 1022
- 5-Fluorouracil 844
 mechanism of action 844
 mechanism of resistance 845
- 5-Fluorocytosine
see Flucytosine 1098
- Flutamide 877
- tau-Fluvalinate 823
- Fluvic 817
- Foam stabilizers
 in foods 687
- Focusan 1104
- Folic acid
 inhibition of synthesis by sulfonamides 1028
- Fongamil 1089
- Fongarex 1089
- Fongaridl 823
- Food
 addition of amino acids 804
 amino acid content of some foodstuffs 804
 daily protein requirement 803
 protein quality of food and min. requirements 805,807
 stabilization with antioxidants 713, 716
- Food additives 677
- Footwork 1104
- Forest dieback
 dynamic models of 249
 models with nonlinear dose–effect relationship 249
 static models of 248
- Formaldehyde
 disinfectant properties 726
- Formamidopyrimidine-deoxyguanosine 57
- Formestane 876
- Formic acid
 as food preservative, concentration 684
- Formycin 765
- Foscarnet 1063
- Fotemustine 856
- Fotimin 1105
- Fourneau 309 1040
- Frank–Kamenetzki
 temperature profiles 395
- Freund's complete adjuvant 98
- Ftorafur 845
- Fuchsin (basic violet) 1108
- 5-FUDR 844
- Fulcin 1100
- Fulcin S 1100
- Fulvicin 1100
- Fulvicina 1100
- Fulvicin P/G 1100
- Fumaric acid
 acceptable daily intake values 679
 acidulant for foods 690
- Funganine 1094
- Fungarest 1080
- Fungata 1077
- Fungibacid 1093
- Fungicidin 1097
- Fungicil 1080
- Fungiderm 1082, 1102
- Fungifos 1103
- Fungiframan 1085
- Fungilin 1094
- Fungi-med 1085
- Funginazol 1082

- Fungireduct 1097
 Fungisdin 1082
 Fungistat 1092
 Fungivin 1100
 Fungizid-ratiopharm 1085
 Fungizone 1094
 Fungo-Hubber 1080
 Fungoral 1080
 Fungosten 1085
 Fungotox 1085
 Fungowas 1102
 Fungucit 1082
 Fungur 1082
 Furadantin 1038
 Furalaxyl 823
 Furazolidone [67-45-8] 1046
 Furnace test 378
 Furox 1047
 Furoxone 1046
- G**
- G4-DNA 743
 Galben 823
 Gallates
 acceptable daily intake values 679
 as antioxidants 684
 Gametocytes 941
 vaccines against 946
 Gammarus
 toxicity studies with 240
 Ganciclovir 766
 Ganirelix 882
 Gantrisin 1031
 Gas
 explosion data for mixtures 378
 pressure limit of stability 383
 transport, handling, and storage 498
 Gasoline
 stabilization with antioxidants 714
 Gastripan-K 815
 Gefulvine 1100
 Gelatin
 as clarifying agent in food industry 692
 as gelling agent in foods 687
 Gelling agent
 in foods 687
 Gemcitabine 848
 monohydrochloride 848
 Gemzar 848
 Genac 817
 GenBank 750
 Gene 746
 Gene expression 746
 General Agreement of Tariffs and Trade (GATT) 587
 Genetic engineering 759
 production of vaccines by 906
 Genotoxic agents
 see also Mutagenic agents 667
 Genotoxicity
 in vitro and *in vivo* short-term tests 105
 German Federal Water Quality and Pollution Control Act
 (Wasserhaushaltsgesetz) 457
 German Hazardous Materials Regulation (GefStoffV) 374
 Germanin 1040
 Gerontamin 815
 Giardiasis
 biology and chemotherapy 1046
 Gigasept/Gigasept FF 727
 Gilt 1085
 Gino-Canesten 1085
 Gino-Clotrimix 1085
 Gino-Lotramina 1085
 Gino-Tralen 1093
 Glass milk 750
 Glia 1117
 γ -Globulin
 preparations, adverse effects 958
 Glucagon (GG) 1130
 Glucantime [133-51-7] 1044
 Glufosinate 820
 Glutamic acid
 as flavor enhancer 691
 in synaptic transmission 1129
 D-Glutamic acid 787
 L-Glutamic acid 779, 783
 as drug 815
 calcium salt, dihydrate [5996-22-5] 815
 hydrochloride [138-15-8] 815
 magnesium salt, tetrahydrate [19238-50-7] 815
 monosodium salt, monohydrate [142-47-2] 815
 potassium salt, monohydrate [19473-49-5] 815
 production 793
 Glutamine
 production 795
 L-Glutamine [56-85-9] 779, 784, 815
 Glutaraldehyde
 disinfectant properties 726
 Glutathione
 conjugation of xenobiotics by 48
 detoxication of reactive oxygen metabolites and radicals 54
 Glutergen 815
 Glycerol (propane-1,2,3-triol)
 as food additive 687
 Bis(glycinato) copper(II) hydrate 781
 Glycine
 see also Aminoacetic acid 779
 Aminoacetic acid 784
 in synaptic transmission 1129, 1130
 Glycine as flavor enhancer 807
 Glyoxal
 disinfectant properties 726
 Glyphenarsine 1041
 Glyphosate 820
 Glyphosine 823
 Godbert–Greenwald furnace 387
 Golgi staining 1116
 Gonadotropin (gonadotropic hormone; GnTH) 1130
 Gonorrhea
 vaccine against 921
 Good Clinical Practice (GCP) 989
 Good Laboratory Practice (GLP) 987, 993, 1001
 Good Manufacturing Practice (GMP) 990, 1001
 Good-rite 3114 704
 Good-rite 3125 704
 Goserelin 879–881
 GRAS substances 696
 Green S
 for coloring of foods 689
 Greosin 1100
 Grewer test apparatus
 for testing spontaneous flammability of dusts 377
 Gricin 1100
 Grifulin 1100
 Grifulvin V 1100
 Grisactin 1100
 Griséfuline 1100
 Griseo 1100
 Griseoderm 1100
 Griseofulvin 1099
 Griseofulvine
 MIC values for 1100
 Griseomed 1100
 Griseostatin 1100

- Griseo von ct 1100
 Grisfulvin 1100
 Grisol 1100
 Grisovin 1100
 Grisovina Fp 1100
 Grisovin-FP 1100
 Grivate 1100
 Gromazol 1085
 Gryso 1100
 Guanine 740
 Guanosine 765
 as flavor enhancer 691
 Guar gum
 as thickener 687
 Guidelines for Packing Cargo Transport Units 516
 Guinea pig maximisation test 97
 Gum arabic
 as thickener 687
 Gyne-Lotremin 1085
 Gyno-Daktar 1082
 Gyno-Daktarin 1082
 Gyno-Monistat 1082
 Gyno-Myfungar 1090
 Gyno-Pevaryl 1087
 Gyno-Terazol 1092
 Gyno-Travogen 1088
 Gyno-Trosyd 1093
- H**
- Hair preparation
 amino acids in 819
 Halofantrine [69756-53-2] 1051
 β -glycerophosphate 1051
 hydrochloride [36167-63-2] 1051
 2-Halopurines
 in cancer therapy 849
 Hartmann apparatus 388
 Hartmann apparatus, modified 389
 Hazard
 causes and effects 364
 evaluation of 413
 in the chemical industry 301
 types and sources of 363
 Hazard and operability study (HAZOP) 412
 Hazard assessment
 in plant and process safety 397
 Hazard characteristics
 of exothermic processes 397
 Hazard control
 in plant and process safety 470
 Hazard control plan
 off-battery 475
 plants and works 473
 Hazard identification 419
 in health risk 351
 of chemical products 554
 of preparations 571
 Hazardous Materials Regulation 407
 Hazardous substances
 safety practices when working with 447
 symbols and letter codes 372
 Hazard potential
 from an explosion 369
 from release of a volatile substance 368
 magnitude 367
 mathematical treatment 368
 Health and Safety at Work Act 313
 Health and Safety Executive (HSE) 332
 Heat flow
 determination of 171
 in soil 172
 in the lower atmosphere 172
 Heavy-metal complexes
 for cancer therapy 871
 Heilmittelwerbegesetz 991
 Helicobacter pylori 661
 Helminths
 vaccines against 936
 Hemophilus influenzae
 generation of humabs against 961
 type b vaccines 922
 Henderson–Hasselbalch equation 780
 Hepaderichol 814
 Hepa-Loges 814
 Hepa-Merz 816
 Hepatitis
 prophylaxis with hyperimmune globulin 952
 prophylaxis with immun serum globulin 950
 Hepatitis B vaccine 928
 Hepatitis B virus
 generation of neutralizing humabs 962
 Herniocid 1097
 Herpes simplex
 generation of humabs against 962
 Heterotroph 175
 Hexachlorophene [70-30-4] 1108
 Hexamethylenetetramine
 as food preservative, concentration 684
 Hexamethylmelamine 858
 Hi-Alarzin 1104
 High-performance liquid chromatography (HPLC)
 for oligonucleotide separation 757
 Hilbert–Johnson method 766
 Histamine
 in synaptic transmission 1129
 L-Histidine [71-00-1] 779, 784, 815
 hydrochloride monohydrate [5934-29-2] 815
 production 795
 Histocompatibility locus (HLA)
 gene determination 764
 Histones 745
 Histrelin 880
 HIV-1 661
 HIV-2 661
 HN2 852
 Hodgkin's disease 661
 HOE 296b
 see *Ciclopirox* 1101
 Hoe-280 1025
 Hoechst 33258 plus Giemsa 115
 Holoxan 855
 L-Homocysteine 787
 Hoogsteen base pairing 740
 Hookworms
 vaccines against 938
 Hospital-acquired infections
 generation of humabs against 961
 vaccines against 915
 Hostavin TMN 20 710
 HPA 23 1066
 HTLV-I 661
 Humabs
 see also *Antibodies, monoclonal* 906
 generation against bacterial infection 961
 immunotherapeutic use of 960
 tetanus-neutralizing 961
 Human T cell leukemia virus
 generation of humabs against 962
 Humectants
 as food additives 687
 Huntington's chorea 1121
 Hurdle concept
 for food preservation 681

- Hybridization, sandwich
 of nucleic acids 760
- Hydantoins 782
- Hydra 1131
- Hydrogen peroxide
 toxicity of 53
- Hydrolysis
 in environmental processes 213
- Hydroperoxides
 decomposition by antioxidants 703
 forming in oxidation reactions 700
- 4-Hydroxybenzoic acid esters
 as food preservative, concentration 684
- Hydroxychloroquine sulfate [747-36-4] 1049
- 8-Hydroxydeoxyguanosine 57
- 9-(2-Hydroxyethoxymethyl)guanine 769
- D-*p*-Hydroxyphenylglycine 787
- (S)-9-(3-Hydroxy-2-phosphonylmethoxypropyl)adenine 766
- L-Hydroxyproline 779, 784
 production 795
- Hydroxyquinine 1049
- 8-Hydroxyquinolines
 for treating amebiasis 1054
- 5-Hydroxytryptamine
 in synaptic transmission 1129
- L-5-Hydroxytryptophan 787
- (S)-5-Hydroxytryptophan 819
- Hyperimmune globulins 950
 prophylaxis with 952
- Hypogammaglobulinemia 951
- Hypophysis
 source of neuropeptides 1130
- Hypothalamus
 neuropeptide control in 1130
- I**
- Icaden 1088
- ICAO Technical Instructions 516
- Ice cream
 additives for 685, 687
 thickeners for 687
- Idamycin 859
- Idarubicin 859
- Idoxifene 875
- Idoxuidine [54-42-2] 1059
- Ifex 855
- Ifosfamide 855
- Ignition energy 385
- Ignition sensitivity 387
- Ignition temperature
 apparatus for determining 385
- IK 20 349
see *Tioconazole* 1093
- Ilmofosine 883
- Ilube 817
- Imazamethabenz 821
- Imazamox 821
- Imazapic 821
- Imazapyr 821
- Imazaquin 821
- Imazethaphyr 821
- IMDG-Code 496, 516
- α -Aminocarboxylic acids 782
- Imiprophin 823
- Immune response 903
 anamnestic response 904
- Immune serum globulin 948
 prophylaxis with 950
 therapy with 953
- Immunity
 vaccine-induced 904
- Immunization
 active, by vaccines 905
 passive, by immunoglobulins from plasma of donors 905
- Immunocytochemistry 1131
- Immunoglobulin
 available 900
 for intravenous use 949
 for passive immunization 905
 hyperimmune, from plasma of patients 950
 intravenous, against infections 953
 intravenous, against noninfectious diseases 955
 on B cells 903
 preparation 948
- Immunoglobulin A 903
 secretory IgA 903
- Immunoglobulin D 903
- Immunoglobulin E 903
- Immunoglobulin G 902
 subclasses 948
- Immunoglobulin M 902
- Immunotherapy 899
- Immunotoxicity 123
- Incident sequence analysis 413
- Indigo Carmine, C.I. 73015
 for coloring of foods 689
- Indigotine, C.I. 73015
 for coloring of foods 689
- Infectious substances
 transport, handling, and storage 502
- Infiltration
 mathematical treatment 169
- Influenza vaccine 931
- Infusion solutions 813
- INH 1034
- Inhibitory postsynaptic potential (IPSP) 1133
- Inosine
 as flavor enhancer 691
- Institute of Occupational Hygiene (IOH) 321
- Institutional Review Board (IRB) 988
- Insulin 1130
- Intercalating anthracenes
 for cancer therapy 862
- Intergovernmental Organization for the International Carriage by Rail (OTIF) 517
- Interleukin-1 904
- Interleukin-2 904
- Intermediate bulk container (IBC) 511
 coding system and marking 522
 for piece goods transport 520
 types of 522
- Internal market 615
- Internal pressure (hydraulic) test
 for dangerous goods equipment 511
- International Atomic Energy Agency (IAEA) 516
- International Bulk Chemical Code 529
- International Convention concerning the Carriage of Goods by Rail (CIM) 517
- International Convention for the Prevention of Pollution from Ships (MARPOL) 496, 505, 516
- International Convention for the Safety of Life at Sea (SOLAS) 496, 516
- International Gas Carrier Code (IGC) 529
- International Institute for the Unification of Private Law (UNIDROIT) 599
- International Labour Office (ILO) 303
- International Maritime Organization (IMO)
 classes 497
 definition for dangerous goods 499
- International Occupational Health Association (IOHA) 321
- International Program on Chemical Safety (IPCS) 358
- Intron 747

- Invertase (E.C. 3.2.1.26)
 use in food industry 694
 Investigational new drug application (IND) 988
 Iodine
 disinfectant properties 733
 5-Iodo-2'-deoxyuridine, 5-bromovinyl-2'-deoxyuridine 766
 5-Iodo-2'-deoxyuridine (IDU) 769
 Iodoquinol [83-73-8] 1054
 Ion exchange
 in environmental processes 215
 Ion-exchange chromatography
 of amino acids 825
 Ipec 1082
 Iprodione 823
 Iproplatin 873
 Irgafos P-EPQ 710
 Irganox 1010 704
 Irganox 1035 704
 Irganox 1076 704
 Irganox 1098 704
 Irganox 1330 704
 Irganox MD-1024 713
 Irinotecan 869
 Iron hydroxide
 for coloring of foods 689
 Iron oxide
 for coloring of foods 689
 Irradian 814
 Isoascorbic acid
 as antioxidant for food 684
 Isoconazole [27523-40-6] 1088
 nitrat [24168-96-5] 1088
 Isofosphamide 855
 Isogyn Ginecologico 1088
 D,L-Isoleucine 787
 L-Isoleucine [73-32-5] 779, 784, 815
 production 795
 Isomalt
 food additive 681
 Isoniazid 1034
 biotransformation of 60
 Isonicotinic acid hydrazide 1034
 Isosporiasis 1039, 1052
 Itraconazole [84625-61-6] 1078
 MIC values for 1078
 Itrazole 1078
- J**
 Japanese encephalitis vaccine 934
 Jenamazol 1085
 Jestrosemin 816
 Jordanella floridae
 toxicity studies with 235
 Journal of Industrial Hygiene 330
- K**
 KadeFungin 1085
 Kalma 816
 Karman constant 173
 Karposi's sarcoma 661
 KC 9147
see Tolciclate 1103
 Ketazol 1080
 Ketoconazole [65277-42-1] 1079
 MIC values for 1080
 Ketoderm 1080
 Ketoisdin 1080
 Ketonan 1080
 Ketoral 1080
 Kieselguhr
 as filter aid in food industry 693
 Kilmicen 1103
 Klartan 823
 Klebsiella spp.
 vaccine against 916
 Korostatin 1097
 Krebs cycle 74
 Kwashiorkor 827
- L**
 Labor Protection Act 314
 Lactates
 as food additives 684
 Lactic acid
 acidulant for foods 690
 as food additive 684
 as food preservative, concentration 684
 Laevil 814
 Lagrangian model
 in ecotoxicology 223
 Lambliasis 1039
 Lamisil 1105
 Lamoryl 1100
 Lampit 1042
 Lampren 1037
 Laristine 815
 Larodopa 818
 Laws
 concerning occupational health in FRG 303
 concerning occupational safety in Denmark 314
 concerning occupational safety in Finland 314
 concerning occupational safety in Spain 315
 concerning occupational safety in the Netherlands 316
 concerning occupational safety in UK 313
 concerning occupational safety in U.S. 317
 Lead Act 317
 Leakproofness test
 for dangerous goods equipment 511
 Leberam 814
 Lecithin (phosphatidylcholin)
 as food additive 684-686
 as mold-release agents 693
 Lederlind 1097
 Legal aspects 585
 carriage of dangerous substances by sea 608
 damage caused by dangerous activities 608
 EC packaging legislation 635
 EC Regulation 259/93, new 618
 EC Regulation 259/93 620
 environmental damage 611
 environmental protection 591
 in industrial chemistry 589
 insurance of the industrial risk 612
 Internal market, "1992" 614
 international harmonization for dangerous activities 600
 liability for damage caused during carriage 607
 liability for defective products 601
 liability for waste 605
 Maastricht Treaty 616
 on chemical installations 597
 polluter-pays principle 591
 precautionary principle 589
 product-oriented legislation 594
 Single European Act 615
 Treaty of Rome 617
 U.S. superfund 635
 Leishmania 1039
 Leishmaniasis 1039
 biology and chemotherapy 1043
 Lentaron 876

- Lepomis macrochirus**
 toxicity studies with 240, 562
- Leprae**
 generation of humabs against 962
- Leprosy** 1033
 antileprosy agents 1036
- Leuchs anhydrides** 782
- D,L-Leucine** 787
- L-Leucine** 779, 784
 production 796
- L-tert-Leucine** 787
- Leuciscus idus**
 toxicity studies with 235, 562
- Leukemia**
 chronic myelogenous 764
- Leuprorelin** 879, 880
- Leustatin** 849
- Levodopa** 818
- Levothym** 819
- Lévotonine** 819
- LHRH agonists** 879
 in cancer therapy 879
- LHRH analogs**
 in cancer therapy 879
- LHRH antagonists** 879
 in cancer therapy 881
- Light microscopy**
 investigating the nervous system by 1122
- Limbic system** 1121
- Limiting oxygen concentration (LOC)** 390
- β -Lipotropin** 1130
- Lisil** 818
- Lisomucil** 818
- Lissamine Green**
 for coloring of foods 689
- List of Dangerous Goods Most Commonly Carried** 494
- Lithol Rubine BK**
 for coloring of foods 689
- Lobarthrose** 819
- Localicid** 1085
- Locéryl** 1107
- Loceryl** 1107
- Locust bean gum**
see also Carob gum 687
- Lomexin** 1088
- Lomidine** 1040
- Lomustine** 855
- Loporox** 1102
- Lotramina** 1085
- Lotremin** 1085
- Lotrimin** 1085
- Lower explosion limit (LEL)** 379
- Lowest observed adverse-effect level (LOAEL)** 129
- Lowest observed effect level (LOEL)** 129
- Lubricants**
 stabilization with antioxidants 714
- Lupron** 879
- Lutein**
 for coloring of foods 689
- Lycopene**
 for coloring of foods 689
- Lysergic acid diethylamide (LSD)** 1128
- D,L-Lysine**
 acetylsalicylate 816
 as drug 816
 monohydrochloride [34220-70-7] 816
 monohydrochloride [70-53-1] 816
- D,L-Lysine hydrochloride** 787
- L-Lysine** [56-87-1] 784, 816
 acetate 816
 as drug 816
 L-aspartate 816
- L-glutamate 816
- L-malate 816
- monohydrate 816
- monohydrochloride [27348-32-9] 816
- monohydrochloride [57282-49-2] 816
- monohydrochloride [657-27-2] 816
- monohydrochloride [71555-10-7] 816
- production 796
- Lystin** 1097
- M**
- Maastricht Treaty** 616
- Macrochantin** 1038
- Macronutrient** 174
- Madopar** 818
- Magnesiocard** 814
- Magnesium stearate**
 as anticaking agent 688
- Magnesium Verla** 814, 815
- Magnetic resonance imaging (MRI)**
 investigation of nervous system with 1127
- Magnussen test** 997
- Maillard reaction**
 flavors by 808
- Major Hazards Directive** 407
- MAK value**
 classification of hazardous substances 373
- Malaria** 1039
 biology and chemotherapy 1047
 generation of humabs against 962
 life cycle of the malaria parasite 941
- Malaria vaccine** 941
 transmission blocking immunity 947
- Malic acid**
 acidulant for foods 690
- Maltol**
 as flavor enhancer 691
- D-Mannitol**
 in foods for diabetics 690
- Mantel-Bryan model**
 toxicologic risk estimation 136
- Marasmus** 827
- Marine tanker**
 for bulk transport of liquids and gases 529
- Mark LA 55** 710
- Matagen** 758
- Mataven L** 822
- Mavrik** 823
- Maximum admissible concentration (MAC)** 588
- Maximum allowable working pressure (MAWP)** 510
- Maximum experimental safe gap (MESG)** 385
 apparatus for determining 386
- Maximum exposure limit (MEL)** 314
- McIntosh index** 158
- MCNU** 856
- Mean effective dose** 994
- Measles**
 prophylaxis with immun serum globulin 951
 vaccine 923
 virus, generation of humabs against 962
- Measles–mumps–rubella vaccine, combined** 926
- Meat products**
 additives for 686
- Mebromin**
see also Mercurochrome 1108
- Mechloroethamine** 852
- Mecysteine hydrochloride** 818
- Median effective dose** 16
- Median lethal dose** 16
- Médibronc** 817
- Medical First Aid Guide** 516

- Mefloquine [53230-10-7] 1051
 hydrochlorid [51773-92-3] 1051
 quinat 1051
- Mel W [13355-00-5] 1041
- Melarsoprol 1040
- Melphalan 853
 mechanism of action 853
 mechanism of resistance 853
- Melur 1089
- Membranes
 biological 24
 diffusion of chemicals through 25
 penetration of, by chemicals 25
 transport of xenobiotics through 26
- Memory cells 904
- Meningitis
 by tick bite, vaccine against 934
 vaccines against 917, 922
- Meningitis, meningococcal
 vaccine against 917
- Meningoencephalomyelitis
 by tick bite, vaccine against 934
- 6-Mercaptopurine 850
 mechanism of action 850
 mechanism of resistance 851
- 3-Mercapto-D-valine 819
- Mercurochrome [129-16-8] 1108
 see also *Mebromin* 1108
- Merozoites 941
 surface antigens 945
 vaccines against 944
- Mesitylene sulfonylnitrotriazole (MSNT) 755
- Metalaxyl 822
- Metalcaptase 819
- Metal chelates
 for DNA strand cleavage 743
- Metal deactivator
 stabilizers for polymers 703, 711
- Metalothionein
 binding of metals 75
- D,L-Methionine [59-51-8] 787, 816
 production 797
- L-Methionine 779, 784
 production 797
- Methiosulfonium chloride 818
- Methiosulfonium iodide [3493-11-6] 818
- Methotrexate 841
 cytotoxicity 843
 interaction with dihydrofolate reductase 842
 intracellular metabolism 842
 mechanism of action 841
- methyl-CCNU 855
- Methyl cellulose (MC)
 as food additive 687
- 3-Methylcholanthrene
 influence on biotransformation enzymes 58
- Methylcyclohexylchloroethylnitrosourea 855
- Methyl L-cysteine hydrochloride 818
- L-S-Methylmethionine 788
- L-Methylmethionine sulfonium chloride 818
- 2-Methylnaphthoquinone
 enzymatic redox cycling 53
- (3-Methylphenyl)carbamothioic acid
 O-2-naphthalenylmethylester
 see *Tolnaftate* 1103
- (*E*)-*N*-Methyl-*N*-(3-phenyl-2-propenyl)-1-naphthalenemethanamine
 see *Naftifine* 1104
- Metoprine 843
- Metro I.V. 1038
- Metronid 1038
- Metronidazole 1037
- Metryl 1038
- Micatin 1082
- Miclast 1102
- Micocert 1087
- Micoderm 1082
- Micoespec 1087
- Micofim 1082
- Micofun 1083
- Micofungal 1087
- Micogel 1082
- Micogin 1087
- Micogyn 1087
- Micomicen 1102
- Micomisan 1085
- Miconal 1082
- Miconazole [22916-47-8] 1081
 MIC values for 1082
- Micoral 1080
- Micos 1087
- Micosten 1087
- Micostyl 1087
- Micotar 1082
- Micotef 1082
- Micotek 1080
- Micoter 1085
- Micoticum 1080
- Micoxolamin 1102
- Microbiological analysis
 of amino acids 825
- Microcyte 1117
- Micronucleus assay 671
- Micronutrients (for plants) 174
- Microorganism
 cultures of, use in food industry 695
 infectious, identification by nucleic acid probe technology 763
 inhibition of microbial growth by CO₂ atmosphere 685
- Mikoderm 1104
- Mikostatin 1097
- Miloxacin 1022
- Miltefosine 883
- Miltex 884
- Minerals
 as food additives 681
- Minimum ignition energy (MIE) 388
- Minimum ignition temperature (MIT) 387
- Minimum shell thickness 510, 511
- Miproxifene phosphate 875
- Mirogastrin 815
- Mitekol 1087
- Mitochondria 1124
- Mitomycin-C 858
- Mitoxantrone hydrochloride 862
 mechanism of action 862
- MK-0366 1023
- Modopar 818
- Modumate 814
- Moeslinger fining 692
- Mold-release agents
 in food industry 693
- Molecular rotation 780
- Moltanine 818
- Monistat 1082
- Monistat I.V. 1082
- Mono-Baycuten 1085
- Monomethylnitrosamine
 hydroxylation by cytochrome P450 51
- Monoperoxyglutaric acid 727
- Monoperoxyphthalic acid 728
- Monoperoxysuccinic acid 727
- Monostat 7 (Ortho) 1082

- Moolgavkar–Venson–Knudson model
 toxicologic risk estimation 136
- MOPP 852
- Moranyl 1040
- Moronal 1097
- Motor fuel
 stabilization with antioxidants 714
- Mouse somatic spot test 114
- Mouse specific locus test 114
- mRNA 744, 745
 in situ hybridization 1122
- Muciclar 817
- Mucisol 817
- Muciteran 817
- Mucocedyl 817
- Mucocis 818
- Mucodyne 817, 818
- Mucofilin Sol. 817
- Mucojet 818
- Mucolase 818
- Mucolator 817
- Mucomyst 817
- Muco-Perasthman 817
- Mucopront 817
- Muco Sanigen 817
- Mucosit 817
- Mucosol 818
- Mucothiol 817
- Mucotreis 818
- Mucotrophir 817
- Mucret 817
- Multilind 1097
- Mumps
 prophylaxis with hyperimmune globulin 952
 vaccine 924
- Mupaten 1088
- Muphoran 857
- Murine local lymph node assay 98
- Muscular movement
 voluntary 1121
- Mutagenesis
 EU classification 560
 of chemical products 560
 potential structural alerts for 656
 classification 667
- Mutagenic agents 667–675
 chromatid-type aberrations 669
 chromosome-type aberrations 669
 direct genotoxins 675
 indirect genotoxins 675
 metabolic activation 673
 types of 674
- Mutagenicity
 Ames test 106
 eukaryotic tests for 111
 in vitro tests 112
 in vivo tests 114
- Mutagenicity test
 in drugs 997
 cytogenetic assays 671
 eukaryotic 670
 indicator tests 672
 mammalian gene 670
 microbial 670
 micronucleus assay 671
 OECD Guidelines 670
 testing strategies 672
 transgenic animal assays 672
 in-vivo tests 671
- Mutation 748
 causal link between cancer and 83
 forms of 81
- Mutum 1077
- Myambutol 1035
- Mycelex 1085
- Mycelex-7 1085
- Mycelex-G 1085
- Myclo 1085
- Mycobacteria 1033
- Mycobacterium leprae
 generation of humabs against 961
- Mycodermil 1088
- Mycofug 1085
- Mycro-Hermal 1085
- Mycophyt 1096
- Mycoplasmas 1016
- Mycoposterine N 1097
- Mycoril 1085
- Mycospor 1083
- Mycosporin 1083, 1085
- Mycostatin 1097
- Mycoster 1102
- Mycotrim 1085
- Myfungar 1090
- MYK 1091
- MYK-1 1091
- Mykinac (NMC) 1097
- Myko Crdes 1085
- Mykofungin 1085
- Mykohaug 1085
- Mykopevaryl 1087
- Mykotral 1082
- Mykindex 1097
- Myprozine 1096
- Myxofat 817
- N**
- NAC 817
- N*-Acetylamidofluorene
 oxidation by cytochrome P450 51
- Nacom 818
- Nadostine 1097
- Nafarelin 880
- Nafteryl 1105
- Naftifine [65472-88-0] 1104
 hydrochlorid [65473-14-5] 1104
- Naftin 1105
- Naganol 1040
- Nagel Batrafen 1102
- Nalidixic acid 1019
- Naphthiomate-T
see Tolnaftate 1103
- D*-3-(2'-Naphthyl)-alanine 788
- Naphthyridine 1019
- Naphuride 1040
- Naringinase
 use in food industry 694
- Natacyn 1096
- Natafucin 1096
- Natamycin 1096
- National Institute for Occupational Safety and Health (NIOSH)
 318
- National Toxicology Program (NTP) 318
- Naugard XL-1 713
- Navelbine 867
- Naxogin 1045
- Nedaplatin 873
- NegGram 1020
- Neisseria gonorrhoeae vaccine 921
- Neisseria meningitides
 generation of humabs against 961
- Nematodes
 vaccines against 938

- Neodopaston 818
 Neplanocin A [72877-50-0] 765
 Nervous system
 vertebrate 1118
 Neural cell 1116
 Neuroanatomy 1122
 Neurobiochemistry (Neurochemistry) 1125
 Neurons (nerve cells) 1116, 1118
 Neuropeptides 1130, 1131
 Neuropharmacology 1115, 1127
 Neurophysiology 1124
 Neurotoxicity 124
 Nickel
 carcinogenicity 659
 Nicotinamide adenine dinucleotide phosphate (NADP) 768
 Nicotinic acetylcholine receptor (nAChR) 1132
 Nifurtimox 1042
 Nilstat 1097
 Nilutamide 878
 Nimorazole [6506-37-2] 1045
 Ninhydrin
 reaction with amino acids 824
 Nipent 849
 Nitracin 863
 Nitrates
 acceptable daily intake values 679
 as food preservative, concentration 684
 color stabilizers of meat 689
 Nitrites
 acceptable daily intake values 679
 as food preservative, concentration 684
 color stabilizers of meat 689
 Nitrofurantoin
 monohydrate 1038
 Nitrogen
 liquid, for direct cooling of foods 693
 Nitrogen cycle 178
 Nitrogen mustard 852
 mechanism of action 852
 mechanism of resistance 853
N-Nitrosamines
 as carcinogenic agent 656
N-Nitroso derivatives
 of amino acids 781
 Nitrosomyoglobin 689
 Nitrosoureas
 in cancer therapy 855
 mechanism of action 856
 mechanism of resistance 856
 Nivaquine 1049
 Nizoral 1080
 Nizshampoo 1080
 NKS-01 876
N,N'-Bis(2-chloroethyl)-*N*-nitrosourea 855
 No-effect level (NEL) 559
 Nolvadex 874
 No-observed-adverse-effect level (NOAEL) 559
 No-observed-effect level (NOEL) 129, 559
 Noradrenaline
 in synaptic transmission 1128, 1129
 Norbixin
 for coloring of foods 689
 Norfloxacin 1023
 Norofulvin 1100
 Noroxin 1023
 Nosocomial infections
 vaccines against 915
 Notification of New Substances (NONS) 313
 Novantrone 862
 NP-27 1104
 Nuclear magnetic resonance spectroscopy (NMR)
 for nucleic acid analysis 751
 Nuclease, RNA (E.C. 3.1.27.5)
 RNase H 749
 RNase II 749
 RNase P 749, 750
 Nucleic acid
 see also DNA; RNA 739
 acid hydrolysis 745
 analysis 750
 catalytic activity 749
 degradation 749
 homopyrimidine–homopurine run 742
 hybridization 760
 interaction with proteins 745
 interaction with solenoids 745
 labeling; radioactive, nonradioactive, photolabeling 761
 structural elements 742
 translation 748
 Nucleic acid probe technology 759
 nucleic acid sequence based amplification 763
 self-sustained sequence replication (3 SR) 763
 Nucleosides 764
 Nucleotides 767
 Nucleus 1116
 Nyaderm 1097
 Nydrazid 1034
 Nysert 1097
 Nystacid 1097
 Nystaderm 1097
 Nysta-Dome 1097
 Nystan 1097
 Nystatin A1 1097
 Nystat-Rx 1097
 Nystavescent 1097
 Nystex 1097
O
 Obytin 1102
 Occupational disease 352
 compensation for 354
 Occupational environment 342
 Occupational epidemiology 341
 interpretation of data 335
 Occupational exposure limit (OEL) 314, 324
 Occupational exposure standard (OES) 314
 Occupational health and safety 299
 anticipation of health hazards 321
 biological monitoring (BM) 337
 biological occupational limits 339
 communication and training 330
 company system 309
 dose/effect/polymorphism 350
 ergonomics 345
 European legislation 317
 evaluation of health risks 348
 exposure control methods 328
 first aid 355
 industrial hygiene in the U. S. 330
 laws and regulations in Germany 303
 legal requirements in Denmark 314
 legal requirements in Finland 314
 legal requirements in France 315
 legal requirements in Spain 315
 legal requirements in the Netherlands 316
 legal requirements in UK 313
 occupational diseases 352
 occupational epidemiology 341
 occupational exposure assessment 322
 occupational exposure limits 324
 occupational hygiene monitoring 325
 occupational medicine in the U.S. 357
 organization and staff management 320
 periodical medical examination 334

- physical agents 329
 - programs for industrial hygiene 320
 - regulations for facilities 304
 - sampling and analysis execution 327
 - standards 320
 - stress factors 346
 - trade associations 308
 - U.S. regulations 317
 - Occupational Health Care Act 315
 - Occupational medicine 331, 357
 - Occupational Safety and Health Administration (OSHA) 318, 332
 - Occupational safety committee 311
 - Oceral 1090
 - Ocetinidine 731
 - Offshore Pollution Liability Agreement (OPOL) 612
 - Ofloxacin 1025
 - Okazaki fragments 746
 - Oligodendrocyte 1117
 - Oligo(dT) cellulose 750
 - Oligodynamic effect 733
 - Oligonucleotide, chemical synthesis
 - H-phosphonate method 756
 - phosphate triester method 755
 - phosphoramidite (phosphite) method 755, 756
 - Oligonucleotides
 - nonradioactive labeling 758
 - nuclease-resistant 757, 758
 - sequence-specific artificial endonucleases 758
 - Oligonucleotides, chemical synthesis
 - protecting groups 754
 - Oligoribonucleotide, chemical synthesis 756
 - Omnival 816
 - Omoconazole [74512-12-2] 1089
 - nitrat [83621-06-1] 1089
 - Oncogene 764
 - recessive 764
 - Oncorhynchus mykiss
 - toxicity studies with 235, 240
 - Oncovin 866
 - Onkotrone 862
 - Oocysts 941, 946
 - Ookinetes 941, 946
 - Opioid 1128
 - Opsonins
 - against infections 957
 - Optically active compounds
 - see *chiral compounds* 778
 - Optical rotational dispersion (ORD) 780
 - Optimax 816
 - Orange Book 565
 - Oranyst 1097
 - Ordinance Concerning Safety and Health at Work 315
 - Organic peroxides
 - transport, handling, and storage 502
 - Organoleptic substances 688
 - Orimeten 876
 - Ormaplatin 873
 - Ornicetil 816
 - Ornidazole [16773-42-5] 1045
 - Ornithine 816
 - L-Ornithine 788, 816
 - 2-oxoglutarate 816
 - acetate 816
 - as drug 816
 - L-aspartate 816
 - monohydrochloride [5191-97-9] 816
 - monohydrochloride [60259-81-6] 816
 - Ormycosal 1080
 - Oronazol 1080
 - Orthophosphoric acid
 - acidulant for foods 690
 - Oryzias latipes
 - toxicity studies with 235, 240
 - used in toxicity tests 562
 - Over-the-counter (OTC) drugs 991
 - Ovis Neu 1085
 - O-V Statin 1097
 - Oxaliplatin 873
 - 1,3-Oxazolidine-2,5-diones 782
 - 1,3-Oxazolin-5-ones 782
 - Oxetanocin 765
 - Oxiconazole [64211-45-6] 1089
 - nitrat [64211-46-7] 1089
 - Oxidation
 - in environmental processes 215
 - of organic materials, mechanism 700
 - Oxistat 1090
 - Oxitriptan 819
 - Oxolinic acid 1020
 - Oxyfan 819
 - Oxytocin (OT) 1130
- P**
- PAAG methods
 - in plant and process safety 412
 - Pacitron 816
 - Packaging
 - of dangerous goods 511, 524
 - Packaging of food
 - in carbon dioxide atmosphere 685
 - Packing groups
 - for dangerous goods 504
 - Paclitaxel 869
 - mechanism of action 870
 - Paludrine 1051
 - Panfungol 1080
 - Panlomyc 1092
 - Panomifene 875
 - Pansan 815
 - Panstabil 814
 - Pantovipar 815
 - Papain (E.C. 3.4.22.2)
 - use in food industry 694
 - Paraben
 - as food preservative, concentration 684
 - Paraoxone 50
 - Paraplatin 873
 - Parasites
 - vaccines against 936
 - Parathion
 - oxidative desulfuration of 50
 - Pargin 1087
 - Parkinson's disease 1121
 - Parkinsonian dementia 1122
 - Parkinsonian rigidity 1135
 - Parvolex 817
 - PAS-Heyl 1036
 - Patent Blue V, C.I. 42051
 - for coloring of foods 689
 - Pavlov's dog 1125
 - (±)-1-[4-(4-Chlorophenyl)-2-[(2,6-dichlorophenyl)thio]butyl]-1H-imidazole
 - see *Butoconazole* 1084
 - PCPIM
 - see *Clotrimazole* 1085
 - PD-107779 1025
 - (±)-1-[2,4-Dichloro-β-[(7-chlorobenzo[*b*]thien-3-yl)methoxy]phenethyl]imidazole
 - see *Sertaconazole* 1090
 - (±)-*cis*-2,6-Dimethyl-4-[2-methyl-3(*p-tert*-pentylphenyl)propyl]morpholine
 - see *Amorolfine* 1107
 - Peckle 1085

- Pectasan 817
- Pectin
 as gelling agent 687
 as thickener 687
- Pectinases
 in juice industry 694
- Pedestal 1104
- Pediderm 1104
- Pedimycose 1104
- Pedisafe 1085
- Pefloxacin 1025
- Pemine 819
- Pendramine 819
- D-Penicillamine 788, 819
- L-Penicillamine 788
- Pentamethylmelamine 858
- Pentamidine 1040
- Pentamidine isethionate 1040
- Pentostam 1044
- Pentostatin 849
 mechanism of action 850
- Peplomycin 864
- Pepsalara 815
- Pepticinnamin E 883
- Peptidomimetics
 in cancer therapy 882
- Perchloroethene
 renal toxicity of 52
- Perifosine 884
- Peripheral nervous system (PNS) 1118
- Peroxoacids
 inorganic, disinfectant properties 727, 728
- Peroxycarboxylic acids
 disinfectant properties 727
- Pertussis
 prophylaxis with hyperimmune globulin 952
 vaccine 909
- Pesimuriat 814
- Pevalip 1087
- Pevaryl 1087
- Pevaryl Lipogel 1087
- Pevaryl lotion 1087
- Pevaryl P.V. 1087
- Pharmaceutical inspection convention 1008
- Pharmaceutical inspection cooperation scheme 1009
- Pharmorubicin 859
- Phenethyl alcohol
 disinfectant properties 727
- Phenobarbital
 influence on biotransformation enzymes 58
- Phenols
 disinfectant properties 728
 sterically hindered, as antioxidants 704
- Phenols, halogenated
 as disinfectants 729
- 2-Phenoxyethanol
 disinfectant properties 726
- L-*p*-NO₂-Phenylalanine 788
- D-Phenylalanine 788
- D,L-Phenylalanine 788
- D-*p*-Cl-Phenylalanine 788
- L-Phenylalanine 779, 785
 production 798
- L-Phenylalanine mustard 853
- Phenylenediamines
 antioxidants 705
- D-Phenylglycine 788
- S-Phenyl-L-cysteine 788
- 2-Phenylphenol
 as food preservative, concentration 684
 disinfectant properties 728
- Phosgene
 oxidation of chloroform to 51
- Phosphates (esters)
 acceptable daily intake values 679
 as food additives 684
 emulsifying salts in cheese industry 693
- Phosphinothricine 820
- Phosphite 168 710
- Phosphites
 antioxidants 709
- Phosphonoacetic acid [4408-78-0] 1062
- Phosphonoformate [63585-09-1] 1063
- Phosphoric acid
 as food additive 684
- Phosphorus
 cycle 179
- Photolysis
 in environmental processes 214
- Photosynthesis
 efficiency of 173
- Phoxinus phoxinus
 toxicity studies with 235
- Phytic acid
 as food additive 684
- Pidorubicin 859
- Pigment Rubine
 for coloring of foods 689
- Pilzcin 1086
- Pima-Biciron 1096
- Pimafucin 1096
- Pimagyn 1096
- Pimaricin
 see Natamycin 1096
- Pimphales promelas
 toxicity studies with 240, 562
- Pinorubicin 859
- Pipe
 laying and materials for 543
- L-Pipecolic acid 789
- Pipeline
 design and construction 542
 types of 541
- Pipeline systems
 requirements for 541
- Pipemidic acid 1021
- L-Piperazinecarboxylic acid 789
- D-Piperidine-3-carboxylic acid 789
- Pirarubicin 859
- Pirtrexim isothionate 843
- Piromidic acid 1021
- Pitrex 1104
- Placebo 999
- Plant and process safety 361
 assessment of criticality 404
 batch and continuous processes 448
 checklists for preparation, production and termination 453
 chemical reactions 372
 definitions 366
 design 406
 explosion data for gas mixtures 378
 flammability ratings 375
 for exothermic reactions 394
 human aspect 451
 internal organization and policies 452
 legal aspects 428
 maintenance 459
 measures 406
 methodological aids 410
 methods of investigation 399
 modification of plants 468
 process control 429
 public awareness 475
 requirements for safety 365

- runaway scenario 403
- safe processing 415
- safety analysis methods 411
- sources of hazards 363
- special equipment 418
- technical inspection 457
- ventilation model 422
- Plaquenil sulfate 1050
- Plasma (blood plasma)
 - prophylaxis and therapy with 957
- Plasmodia 1047
- Plasmodium falciparum
 - life cycle 941
- Plastics
 - see also Foamed plastics; Polymers; Specialty plastics* 716
- cis*-Platinum 871
 - mechanism of action 872
 - mechanism of resistance 872
- Plexamine 815
- Plimycol 1085
- Pneumococcus
 - generation of humabs against 961
- Pneumocystis infection 1053
- Pneumocystosis 1039
- Pneumonia vaccine 912
- Podophyllotoxin 868
- Poecilia reticulata
 - toxicity studies with 235, 240, 562
- Polaris 823
- Polilevo 814, 816
- Polimucil 818
- Polio
 - prophylaxis with immun serum globulin 951
 - vaccine 926
- Polyacetal
 - thermal stability testing 718
- Polyamides (PA)
 - stabilization by antioxidants 716
 - thermal stability testing 718
- Polybutadiene
 - thermal stability testing 718
- Polycain 1087
- Polycarbonate (PC)
 - thermal stability testing 718
- Polycyclic aromatic hydrocarbons
 - as carcinogenic agent 658
- Polydextrose
 - food additive 681
- Polyesters
 - thermal stability testing 718
- Polyethylene, high-density (HDPE)
 - thermal stability testing 718
- Polyethylene, low-density (LDPE)
 - thermal stability testing 718
- Polyfungin A1
 - see Nystatin A1* 1097
- Polygris 1100
- Poly(hexamethylenebiguanide) hydrochloride
 - see also Polyaminopropyl biguanide hydrochloride* 730, 731
- Polymerase chain reaction (PCR) 762
- Polymerase, DNA
 - DNA polymerase III 746
- Polymerase, RNA
 - Q β replicase 763
- Polymers
 - antioxidants for 699
 - stabilization by antioxidants 714
 - thermal stability testing 717
- Polyolefins
 - stabilization by antioxidants 715
- Polyoxymethylene (POM)
 - stabilization by antioxidants 716
- polypropylene (PP)
 - thermal stability testing 718
- Polystyrene (PS)
 - stabilization by antioxidants 715
 - thermal stability testing 718
- Poly(vinyl chloride) (PVC)
 - thermal stability testing 718
- Polyvinylpyrrolidone
 - as clarifying agent in food industry 692
- Ponceau 4R
 - for coloring of foods 689
- Positron-emission tomography (PET)
 - for detection of cerebral blood flow 1127
- Potassium hexacyanoferrate(III)
 - as food additive 684
 - for removing traces of iron from wine 692
- Potentiator 814
- Predicted environmental concentration (PEC) 220, 575
- Predicted no-effect concentration (PNEC) 220, 575
- Preservatives
 - for foods 681, 682
- Pressure
 - maximum explosion 381
- Pressure design criteria
 - for gas tanks 511
- Pressure limit
 - of stability for unstable gases 383
- Prilagin 1082
- Primaquine [90-34-6] 1050
- Primaquine phosphate 1050
- Primase 746
- Priorin 815
- Procarbazine 857
 - mechanism of action 857
 - mechanism of resistance 858
- Process control engineering (PCE)
 - damage minimizing systems 431
 - monitoring system 430
 - operating systems 430
 - requirements for plant safety 429
 - safety system 431
 - system functions 430
- Process hazard assessment and safety evaluation (PHASE) 397
- Processing aids
 - in food 691
- Product Register at the Danish Working Environment Service 314
- Products
 - ecolabeling 581
 - ecotoxicological properties 561
 - EU classification 565
 - EU ecolabeling scheme 582
 - hazard classification based on chemical effects 572
 - hazard classification based on physical effects 572
 - hydrosolubility 564
 - labeling requirements 579
 - liposolubility 564
 - oxidizing power 564
 - physicochemical properties 555
 - risk management 578
 - toxicological properties 557
- Profact 879
- Programmable electronic systems (PES) 434
- Proguanil 1050
- Proklar 1032
- Prolactin (PRL) 1130
- D-Proline 789
- D,L-Proline 789
- L-Proline [147-85-3] 779, 785, 816
 - production 799
- Proloprim 1030
- Prontosil 1027

- 1,2-Propanediol alginate
 as thickener 687
 Propane Sultone Act 316
 2-Propanol (IPA) (isopropyl alcohol)
 disinfectant properties 724
 1-Propanol (propyl alcohol) (NPA)
 disinfectant properties 724
 Propellants
 in food industry 693
 Propionic acid
 as food preservative, concentration 684
 Prostaglandins
 biotransformation of xenobiotics by 42
 Proteinogenic amino acids 783
 Proteins 777
 biologic value 805
 daily requirement 805
 deficiency symptoms 827
 viral 1055
 Protein synthesis
 RNA involvement in 748
 Protosib 1044
 Protozoan infections 1038
 Pseudomonas aeruginosa
 generation of humabs against 961
 vaccine against 916
 Pscosoma 815
 Psychoverlan 815
 Pulmicret 817
 Pursuit 821
 Push–pull cannulae 1127
 Pyrazinamide 1035
 Pyrazinecarboxamide 1035
 Pyridoglutethimide 876
 D-3-(3'-Pyridyl)-alanine 789
 Pyrimethamine [58-14-0] 1028, 1050
 Pyrindamycin 865
 Pyrrolizidine 660
- Q**
 Queuosine [57072-36-3] 765
 Quinacrine hydrochloride [6151-30-0] 1046
 Quinine
 as additive for tonic 690
 for treating malaria 1048
 Quinoline Yellow
 acceptable daily intake values 679
 for coloring of foods 689
 4-Quinolone 1019
 Quinolones
 antibacterial 1018
 Quinone methides 705
- R**
 R07-1051 1043
 R 14827 (mononitrate)
 see Econazole 1087
 R 14889 (mononitrate)
 see Miconazole 1081
 R 15454 (mononitrate)
 see Isoconazole 1088
 R 18134
 see Miconazole 1081
 R 41400
 see Ketoconazole 1079
 R 42470
 see Terconazole 1092
 R 51211
 see Itraconazole 1078
 Rabies
 generation of humabs against 962
 prophylaxis with hyperimmune globulin 952
 vaccine 929
 Radanil 1043
 Radcol 818
 Radiation
 carcinogenesis 662
 Radioactive substances
 transport, handling, and storage 504
 Radioimmunoassay (RIA) 1131
 Railroad tank cars
 for bulk transport of liquids and gases 529
 Rain
 measurement 168
 Raloxifene 875
 Raltitrexed 843
 Ramorelix 882
 Rana 240
 Ranimustine 856
 Rapid eye movement (REM)
 sleep 1122
 Raptor 821
 Rasbora heteromorpha
 toxicity studies with 235
 1589-RB 1025
 Reaction, chemical
 adiabatic temperature increase 403
 heats of reaction for common processes 395
 overpressure-inducing exothermic reactions 396
 probability and kinetics of a runaway 404
 runaway potential 394
 Rec 15/1476 (mononitrate)
 see Fenticonazole 1087
 Recommended exposure limit (REL) 331
 Reducdyn 814
 Reduction
 in environmental processes 215
 Reflex 1119
 Reichsversicherungsordnung (RVO) 308
 Release agents
 in food industry 693
 Renkonen index 161
 Renoquid 1032
 Reomucil 818
 Resochin 1049
 Restatin 1097
 Restriction fragment length polymorphism (RFLP) 764
 Secretin (SEC) 1130
 Retrovirus 748, 1055
 R-Gene 814
 Rheaform 1054
 Rheumatoid arthritis
 intravenous immunoglobulin against 956
 Rhinathiol 817
 Rinofluimucil 817
 Rho(D) immune globulin 952
 Rhodoxanthin
 for coloring of foods 689
 Rhopty antigens 945
 Riboflavin
 for coloring of foods 689
 1-β-D-Ribofuranosyl-1H-1,2,4-triazole-3-carboxamide
 [36791-04-5] 1061
 1-β-D-Ribofuranosyl-1,2,4-triazole-3-carboxamide 769
 Ribozymes 749
 Rickettsias 1015
 RID (International Convention concerning the Transportation of
 Dangerous Goods by Rail) 517
 Ridomil 822
 Rift valley fever vaccine 935
 Rimantadine [13392-28-4] 1063
 hydrochloride 1063
 Ring-infected erythrocyte surface antigen 945
 Rinofluimucil 817

- Risk
 - in transport, handling, and storage 490
 - lethal to humans 367
- Risk, acceptable
 - definition of 576
- Risk assessment
 - definitions 554
 - dose–response assessment 575
 - exposure assessment 575
 - general methodology 574
 - hazard identification 575
- Risk–benefit considerations 576
- Risk characterization 576
- Risk chart 367
- Risk estimation
 - in occupational health and safety 352
- Risk evaluation
 - in occupational health and safety 352
- Risk limitation
 - in occupational health and safety 352
- Risk management
 - codes of practice 579
 - control of supply and use 579
 - monitoring effectiveness 581
 - pollution and chemicals control 580
 - product standards 579
 - risk communication 578
 - voluntary agreements 580
- Rivostatin 1097
- RNA Antisense 746
- RNA (ribonucleic acid) 739, 743
 - nuclear 744
 - sequencing techniques for 751
- Ro 2-9915
 - see Flucytosine* 1098
- Ro 13-8996/000 (free base)
 - see Oxiconazole* 1089
- Ro 13-8996/001
 - see Oxiconazole* 1089
- Rochagan 1043
- Rods (bacteria) 1015
- Rofenid 1080
- Rogletimide 876
- Rosoxacin 1022
- Roundup 820
- Rovral 823
- Roxadyl 1022
- 2168-RP 1044
- RP 17774
 - see Amphotericin B* 1094
- rRNA 744
- RS-44872
 - see Sulconazole* 1091
- Ru-43-280 1025
- Rubber
 - antioxidants for 715
- Rubella
 - generation of humabs against 962
 - prophylaxis with immune serum globulin 951
 - vaccine 925
- Rubixanthin
 - for coloring of foods 689
- Rules for the Storage of Explosives 507

- S
- Saccharin
 - acceptable daily intake values 679
- Saccharomyces cerevisiae
 - mutagenicity tests 112
- L-Saccharopine 789
- S-Adenosyl methionine
 - in xenobiotic biotransformation 47
- Safety coefficient
 - for ductile metals 510
- Safety label 304
- Safety measures
 - in transport, handling, and storage 508
- Safety ratings 371
- Safety valve 437
 - controlled 438
 - full-lift 438
 - proportional 438
 - sizing of 439
 - standard 438
 - supplementary loaded 438
 - weight-loaded and spring-loaded 438
- Salmo gairdneri
 - used in toxicity tests 562
- Salmonella
 - bacterial identification 764
 - Salmonella typhimurium
 - used in the Ames test 106
- Saltatory conduction 1117
- Sampling device
 - safe design of 446
- Sandostab P-EPQ 710
- Sanger method 750
- Santonox R 704
- Santowhite powder 704
- Sargenor 814
- Satric 1038
- Sausage binders 686
- Saxitoxin
 - toxicology 72
- Scanning tunneling microscopy (STM)
 - for nucleic acid analysis 751
- Scenedesmus
 - toxicity studies with 240
- Scenedesmus quadricauda
 - toxicity studies with 238
- Scenedesmus subspicatus
 - toxicity studies with 238
- Scepter 821
- Schistosomiasis 661
- Schistosomiasis infection
 - vaccines against 936
- Schizonts 941
 - vaccines against 944
- Schwann cells 1117
- SD-Hermal 1085
- Secnidazole [3366-95-8] 1045
- Sedotussin 817
- Sekinin 818
- Selenastrum
 - toxicity studies with 240
- Self-accelerating decomposition temperature (SADT) 394
- Semenov temperature profiles 395
- Sempera 1078
- Sensor
 - silicon, for DNA analysis 752
- Separin 1104
- Septa 1030
- Septic shock
 - plasma infusion against 957
- Sequestering agents
 - as food additives 684
- D-Serine 789
- D,L-Serine 789
- L-Serine 779, 785
 - production 799
- Sertaconazole [99592-32-2] 1090
 - nitrate [99592-39-9] 1090
- Seveso directive 627

- Sgd 301-76 (mononitrate)
 see Oxiconazole 1089
- Shannon's diversity index 158
- Shigella vaccine 913
- Sickle-cell anemia 764
- Sideryl 814
- Sigamucil 817
- Silicon dioxide
 as anticaking agent 688
- Silver
 oligodynamic effect 734
- Silver compounds
 disinfectant properties 734
- Simplotan 1045
- Simpson index 158
- Sinefungin 765
- Sinemet 818
- Single European Act 615
- Siran 817
- Siros 1078
- Sister-chromatid exchange assay 671
- Sister-chromatid exchange test 115
- Skilar 1087
- Skin
 absorption of chemicals 27
 sensitization testing 97
- Skin cosmetics
 amino acids in 819
- SK-Metronidazol 1038
- SK-Soxazole 1031
- Sleeping sickness 1039
- Small burner test 378
- Smallpox
 prophylaxis with hyperimmune globulin 952
 vaccine 935
- S-Methyl-L-cysteine 787
- snRNA 748
- Sodium chloride
 substitutes for use as table salt 690
- Solfomucil 818
- Solmuco 817
- Solubility
 in environmental processes 212
- Solucis 818
- Somatostatin (somatotropin release inhibiting hormone; SRIH)
 1131
- Somatotropin (somatotropic hormone;STH;
 growth hormone; GH) 1131
- Sorbenor 814
- Sorbic acid (2,4-hexadienoic acid)
 acceptable daily intake values 679
 as food preservative, concentration 684
 effect as food additive 681
- Sorbitol
 as food additive 687
 in foods for diabetics 690
- Sorgoa 1104
- Sorption
 in environmental processes 215
- Soybean formula 806
- Spartocine 814
- Spectazole 1087
- Spinal cord
 relationship to the peripheral nervous system 1118
- Spinuvox A-36 710
- Spirochetes 1016
- Spliceosome 749
- Sporanox 1078
- Sporiderm 1104
- Sporiline 1104
- Sporozoans 1039, 1047
- Sporozoite vaccines 942
- Stacking test
 for dangerous goods equipment 511
- Staining
 for nucleic acid quantification 751
- Standard immune serum globulin 948
- Standard operating procedure (SOP) 451
- Staphylococcus aureus
 vaccine against 916
- Starch
 and derivatives, as thickeners 687
 as anticaking agent 688
- Stark-Einstein law 277
- stas-akut 817
- Statistical model
 in ecotoxicology 223
- Stearic acid
 as mold-release agent 693
- Stearyl-2-lactylates
 as food additives 686
- Stearyl tartrate
 as food additive 686
- Stereomycin 1097
- Stibogluconate, sodium salt [16037-91-5] 1043
- Stiemazol 1085
- Stilbenequinones 704
- Stirred-tank reactor
 safety analysis methods applied to 413
- Storage safety 492
- Stoxil 1059
- Strand displacement
 in nucleic acid hybridization 761
- Strecker degradation
 flavors by 808
- Streptococcus pneumoniae vaccine 912
- Streptozotocin 855
- Strychnine 1121
 as spinal inhibition blocker 1133
- Succinaldehyde
 disinfectant properties 726
- Succinic acid
 acidulant for foods 690
- Sucroglycerides
 as food additives 686
- Suffix 821
- Suffix BW 822
- Suladyne 1031, 1032
- Sulconazole [61318-90-9] 1091
 nitrate [61318-91-0] 1091
- Sulcosyn 1091
- Suldicyn 1091
- Sulfacytine 1031
- Sulfadiazine 1031
- Sulfadoxine 1032
- Sulfa drugs 1027
- Sulfafurazole 1030
- Sulfaguandine 1033
- Sulfamethizole 1032
- Sulfamethoxazole 1029
- Sulfasalazine 1032
- Sulfasuxidine 1033
- Sulfathalidine 1033
- Sulfisoxazole 1030
- Sulfite
 as antioxidants 684
 as food preservative, concentration 683
- Sulfolitrux 816
- Sulfonamides 1027
- 4,4'-Sulfonylbis(acetanilide) 1037
- 4,4'-Sulfonyldianiline 1036
- Sulfosate 820
- Sulfoxone
 disodium salt 1037

- Sulfur compounds, organic
 antioxidants 705
- Sulfur dioxide
 as antioxidant for food 684
 as food preservative, concentration 683
- Sulvina 1100
- Sunset Yellow FCF
 for coloring of foods 689
- Superfund legislation 635
- Superthiol 818
- Suprecur 879
- Suramin 1040, 1065
- Surfactants, amphoteric
 as disinfectants 732
- Surfactants, cationic
 as disinfectants 730
- Surolan 1082
- Sverdrup–Albrecht method
 heat flow determination 173
- Sweeteners, intense
 as food additives 689
- Sweeteners, nutritive
 as food additives 690
- Swift test 683
- Sydnones 781
- Symmetrel 1063
- Synapse 1117
- Synaptic transmission 1128
 ionotropic action 1132
 metabolotropic action 1133
 receptors in drug action 1134
- Synaptic vesicles 1123
- Synaptosomes 1126
- Synergists
 sequestrants in combination with antioxidants 684
- Synogil 1096
- T**
- Table salt
 substitutes for sodium chloride 690
- Talc
 as anticaking agent 688
 as coating agent 688
- Tamoxifen 874
- Tamoxifen and toremifene
 mechanism of action 874
- Tamuc 817
- Tank
 for bulk storage 540
 for dangerous goods 510
- Tank containers
 for bulk transport of liquids and gases 527
- Tankers Owners Voluntary Agreement Concerning Liability for
 Oil Pollution (TOVALOP) 612
- Tank trucks
 for bulk transport of liquids and gases 528
- Tannin
 as clarifying agent in food industry 692
- Tapeworm
 Taenia solium infection, vaccine against 940
- Tarivid 1025
- Tartaric acid
 acidulant for foods 690
 as food additive 684
- Tartrates
 as food additives 684
- Tartrazine
 for coloring of foods 689
- Taurine (2-Aminoethanesulfonic acid)
 in synaptic transmission 1129
- Taxoids 869
- Taxol 870
- Taxotere 870
- T-cell growth factor 904
- T cells 903
 cytotoxic 904
- Technical Control Board (TÜV) 457
 occupational safety system control 304
- Technical Regulations for Dangerous Substances (TRGS)
 306,506
- Tego 732
- Telomerases 743, 748
- Telomeres
 telomere addition during DNA replication 743
- Teniposide 868
- Tennecetin
see Natamycin 1096
- Teratogenesis 85
 maternal toxicity 102
 patterns of dose–response in 86
- Teratogenicity 100
- Teratogens
 risk assessment for 145
- Terazol 1092
- Terbinafine [91161-71-6] 1105
 hydrochlorid [78628-80-4] 1105
- Terconal 1092
- Terconazole [67915-31-5] 1091
- Tercospor 1092
- Terzolin 1080
- Tetanus
 prophylaxis with hyperimmune globulin 952
 vaccine 908
- 2,3,7,8-Tetrachlorodibenzodioxin
 influence on biotransformation enzymes 59
- Tetradecanoyl phorbol acetate (TPA) 660
- Tetrahymena 749
- Tetrodotoxin
 toxicology 72
- Thalassemia 764
- Thalidomide
 disaster 996
- Thaumatococcus
 as flavor enhancer 691
- Theoretical oxygen demand (TOD) 236
- Thermal analysis, differential (DTA)
 screening method in process safety 399
- Thermoplastic elastomers (TPE)
 stabilization by antioxidants 715
 thermal stability testing 718
- Thermoplastics
 stabilization by antioxidants 715
- Thiabendazole
 as food preservative, concentration 684
- Thiacetazone 1036
- L-Thiazolidine-4-carboxylic acid 789
- Thickener
 in foods 686
- Thimerosal [54-64-8] 1108
- Thiobarbituric acid test
 for antioxidants 683
- 3,3'-Thiodipropionic acid
 as antioxidant for food 684
- 6-Thioguanine 850
- Thiohydantoins 782
- Thiosnifil-A 1032
- Thio-TEPA 854
- D,L-Threonine 789
- L-Threonine 785
 production 799
- Threshold limit value (TLV) 331, 374
- Thymidine 765
- Thymine 740, 741

- Thymol (6-isopropyl-3-methylphenol) 729
- Thyrotropin (thyroid stimulating hormone; TSH) 1130
- Thyroxine (T₄)
see also Levothyroxine 789
- Tick-borne encephalitis vaccine 934
- Tierschutzgesetz 987
- Tinacidin 1104
- Tinactin 1104
- Tinatox 1104
- Tinavet 1104
- Tineafax 1104
- Ting 1104
- Timidazole [19387-91-8] 1045
- Tinuvin 622LD 710
- Tinuvin 144 710
- Tinuvin 770 710
- TIO
see Tioconazole 1093
- Tioconazole [65899-73-2] 1093
- Tissue fractionation technique 1126
- Titanium dioxide, C.I. 77891
 for coloring of foods 689
- Tixair 817
- TNPP 710
- Tocopherols
 as antioxidants 684
- Tolcilate [50838-36-3] 1103
- Tolmicein 1103
- Tolmicol 1103
- Tolnaftate [2398-96-1] 1103
- Tonofthal 1104
- Topanol CA 704
- Topotecan 869
- Topotecin 869
- Toremifene 874
- Torpedo
 electric organ 1132
- Touchdown 820
- Toxic effects
 evaluation of 126
 levels of risk 127
 risk assessment process 129
 terminology of 11
 types of 13
- Toxicity
 acute 88
 of chemical products 557
 repeated-dose 95
 subacute 88
 subchronic 89
- Toxicity, acute
 fixed-dose method 91
 LD₅₀ test 90
 mechanisms of 70
 testing for, by inhalation 94
 testing for dermal 92
- Toxicity, developmental
 mechanisms of chemically induced 84
 tests 99
 in vitro tests for 102
- Toxicokinetics 19
 models 66
 species-specific differences in 21
- Toxicology 3–150
 absorption by respiratory system 30
 biochemical basis of 69
 biotransformation of xenobiotics 36
 dose–response relationship 13
 dosimetry 139
 extrapolation between species 138
 extrapolation from experiment to human situations 139
 extrapolation from high to low dose 138
- fields of 6
 general reproductive performance 100
 lethal concentration (LC) 16
 mathematical models 136
 median effective dose (ED₅₀) 16
 ophthalmic 96
 peri- and postnatal 101
 phototoxicity and photosensitization testing 99
 testing methods 87
- Toxic substances
 transport, handling, and storage 502
- Toxic Substances Control Act (TSCA) 318
- Toxoplasmosis 1039, 1052
- Trace elements
 as food additives 681
- Tragacanth
 as food additive 687
 as thickener 687
- Tralen 1093
- Transbronchin 817
- Transcription 747
 splicing 747
- Transport, handling, and storage 487
 bulk storage 537
 bulk transport 526
 cargo storage 535
 in Europe 517
 in Japan 519
 in United States 518
 quality assurance measures 513
 safety 490
- Travogen 1088
- Travogyn 1088
- Treaty of Rome 616, 617
- Treacator-SC 1036
- Triaconazole
see Terconazole 1092
- Triasporin 1078
- Trichomonas vaginalis
 biology and chemotherapy 1044
- Trichomoniasis 1039
- Triclosan
see also 5-Chloro-2-(2,4-dichloro)-phenoxyphenol 729
- Tricosten 1085
- Triethylenethiophosphoramidate 854
- Triflucan 1077
- 5-Trifluoromethyl-2'-deoxyuridine 769
- Trifluridine
see also 2'-Deoxy-5-(trifluoromethyl)uridine 1059
- Trifonazole
see Bifonazole 1083
- Trihydroxybutyrophenone
 as antioxidant for food 684
- Trimethoprim 1028, 1030
- Trimetrexate 843
- Trimpex 1030
- Trimysten 1085
- Tript-OH 819
- Triptorelin 879, 880
- Tris(nonylphenyl)phosphite 709
- Trisomy 21
see Down's syndrome 669
- Trisorcin 819
- TRK value 374
- tRNA 744, 745
- Trolovol 819
- Trommcardin 814
- Trophicard-Köhler 814
- Trosid 1093
- Trosyd 1093
- Trosyl 1093
- L-Tryosine 785

- Trypanosomes 1039
 Trypanosomiasis, african
 biology and chemotherapy 1039
 Trypanosomiasis, american
 biology and chemotherapy 1042
 Tryparsam 1041
 Tryparsamide 1041
 Tryparsamidium 1041
 Tryparsone 1041
 D,L-Tryptophan 789
 L-Tryptophan 785, 816
 syntheses 800
 Tubercidin 765
 Tuberculosis
 treatment of 1033
 vaccine 918
 Tubulin
 antitubuline agents 866
 Tumor diagnosis
 nucleic acid probe technology 764
 Tumor formation
 molecular mechanisms of 81
 Tunicamycin A 765
 Tunicamycin B 765
 Tunicamycin C 765
 Tunicamycin D 765
 Tussiverlan 817
 Typhoid fever vaccine 910
 D,L-Tyrosine 790
 L-Tyrosine [60-18-4] 799, 816
 production 801
- U**
- UK 49858
 see Fluconazole 1077
 Ultragris 1100
 Ultranox 626 710
 Umami substances 691
 UNCETDG 494
 UN classes
 of dangerous goods 496
 Undecylenic acid [112-38-9] 1108
 Unscheduled DNA synthesis (UDS) 672
 Upper explosion limit (UEL) 379
 Uracil 740
 Ureidocarboxylic acid 782
 Uridine 765
 Uridine diphosphate glucuronic acid
 biotransformation enzyme 45
 Uromykol 1085
 Utibid 1021
- V**
- Vaccine 899
 active immunization by 905
 adjuvants for 905
 available 900
 parenteral and oral 905
 production by genetic engineering 906
 Vagistat 1093
 D-Valine 790
 D,L-Valine 790
 L-Valine 779, 785
 production 801
 Van Slyke method
 for analysis of amino acids 781
 Varicella
 prophylaxis with hyperimmune globulin 952
 vaccine 932
 Varicella zoster infection
 generation of neutralizing humabs 962
 Variogram analysis 224
 mathematical concept 224
 Vasoactive intestinal peptide (VIP) 1130
 Vasopressin (VP) 1130
 Velban 866
 Verordnung über brennbare Flüssigkeiten (VbF) 507
 Vidarabin 765
 Vinblastine 866
 Vinca alkaloids
 for cancer therapy 866
 mechanism of action 867
 mechanism of resistance 867
 Vincalokoblastine 866
 Vincristine 866
 Vindesine 867
 Vinegar
 acidulant for foods 690
 Vinorelbine 867
 Vinyl chloride
 carcinogenicity of 51
 Vinyl Chloride Act 317
 Vioform 1054
 Violaxanthin
 for coloring of foods 689
 Vira-A 1060
 Viral antigen targets
 for generation of humabs 962
 Viral infection
 intravenous immunoglobulin against 953
 laboratory diagnosis 1056
 Viral vaccines 923
 Virazole 1061
 Viroid 746
 Viroptic 1059
 Virus
 biological characteristics and chemotherapy 1055
 carcinogenicity 661
 DNA and RNA 661
 families and human pathogens 1057
 Hepatitis B virus (HBV) 661
 Hepatitis C 661
 Herpes 661
 retrovirus 661
 Visclair 818
 Vitamin
 as food additives 680
 Vitaminization 680
 Vitamins
 as food additives 680
 as food additives, fortification 680
 as food additives, revitaminization 680
 Vitemur 817
 Vivacalcium 815
 Vivioptal 816
 VM-26 868
 Vodol 1082
 Vogel–Bonner plates 109
 Vorozole 876
 VP-16 868
- W**
- Walden inversion 45
 Wallonian waste decree 623
 Water pollutants
 transport, handling, and storage 505
 Weibull model
 toxicologic risk estimation 136
 Weston 618 710
 Wetlands
 inland and tidal 190

WIN 49375 1026
WIN 51711 1065
Wintomylon 1020
Working Environment Act (Arbeidsomstandighedenwet) 316
World Health Organization (WHO) 354
World Medical Association 989
Wyosine [52662-10-9] 765

X

X 31 influenza virus
 generation of humabs against 962
Xanthan gum
 as thickener 687
Xenobiotics
 binding of, to biomolecules 74
 bioactivation of 49
 disposition of 23
 elimination of 62
 storage in organs and tissues 36

Xenopus 240
Xeroderma pigmentosum 662
X-ray analysis
 of nucleic acids 751
Xylitol
 in foods for diabetics 690

Y

Yellow fever vaccine 933
Yodoxin 1054

Z

Zalain 1090
Zantrene 862
Zeasorb-AF 1104
Zoster
 vaccine against 932
Zovirax 1059