

| Symbol           | Typ                 | Titel                                                                                                                                                                                                                                                                                                                                                                            |
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| <b>A</b>         | <b>Sektion</b>      | <b>HUMAN NECESSITIES</b>                                                                                                                                                                                                                                                                                                                                                         |
| <b>A61</b>       | <b>Untersektion</b> | <b>HEALTH; AMUSEMENT</b>                                                                                                                                                                                                                                                                                                                                                         |
| <b>A61</b>       | <b>Klasse</b>       | <b>MEDICAL OR VETERINARY SCIENCE; HYGIENE</b>                                                                                                                                                                                                                                                                                                                                    |
| <b>A61K</b>      | <b>Unterklasse</b>  | <b>PREPARATIONS FOR MEDICAL, DENTAL, OR TOILET PURPOSES (bringing into special physical form A61J; chemical aspects of, or use of materials for deodorisation of air, for disinfection or sterilisation, or for bandages, dressings, absorbent pads or surgical articles A61L; compounds per se C01 , C07 , C08 , C12N; soap compositions C11D; micro-organisms per se C12N)</b> |
| <b>A61K 6/00</b> | <b>Hauptgruppe</b>  | <b>Preparations for dentistry (teeth cleaning preparations A61K 7/16; dentistry A61C; fastening dental prostheses in the mouth using adhesive foils or adhesive compositions A61C 13/23) [3]</b>                                                                                                                                                                                 |
| A61K 6/02        | 1-Punkt Untergruppe | . Use of preparations for artificial teeth, for filling or for capping teeth [3]                                                                                                                                                                                                                                                                                                 |
| A61K 6/027       | 2-Punkt Untergruppe | . . Use of non-metallic elements or compounds thereof, e.g. carbon [5]                                                                                                                                                                                                                                                                                                           |
| A61K 6/033       | 3-Punkt Untergruppe | . . . Phosphorus compounds, e.g. apatite [5]                                                                                                                                                                                                                                                                                                                                     |
| A61K 6/04        | 2-Punkt Untergruppe | . . Use of metals or alloys (alloys per se C22C) [3]                                                                                                                                                                                                                                                                                                                             |
| A61K 6/05        | 3-Punkt Untergruppe | . . . Amalgams [5]                                                                                                                                                                                                                                                                                                                                                               |
| A61K 6/06        | 2-Punkt Untergruppe | . . Use of inorganic cements (cements per se C04B) [3]                                                                                                                                                                                                                                                                                                                           |
| A61K 6/08        | 2-Punkt Untergruppe | . . Use of natural or synthetic resins (resins per se C08) [3]                                                                                                                                                                                                                                                                                                                   |
| A61K 6/083       | 3-Punkt Untergruppe | . . . Compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds [5]                                                                                                                                                                                                                                                                                      |
| A61K 6/087       | 3-Punkt Untergruppe | . . . Compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [5]                                                                                                                                                                                                                                                                       |
| A61K 6/09        | 4-Punkt Untergruppe | . . . . Polyurethanes [5]                                                                                                                                                                                                                                                                                                                                                        |
| A61K 6/093       | 4-Punkt Untergruppe | . . . . Polyorganosilicon compounds [5]                                                                                                                                                                                                                                                                                                                                          |
| A61K 6/097       | 3-Punkt Untergruppe | . . . Polysaccharides [5]                                                                                                                                                                                                                                                                                                                                                        |
| A61K 6/10        | 1-Punkt Untergruppe | . Compositions for taking dental impressions (impression methods A61C 9/00) [3]                                                                                                                                                                                                                                                                                                  |
| <b>A61K 7/00</b> | <b>Hauptgruppe</b>  | <b>Cosmetics or similar toilet preparations (casings or accessories for storing or handling of solid or pasty toilet or cosmetic substances A45D 40/00)</b>                                                                                                                                                                                                                      |
| A61K 7/02        | 1-Punkt Untergruppe | . Make-up materials; Preparations for removing them; Body powders [2]                                                                                                                                                                                                                                                                                                            |
| A61K 7/021       | 2-Punkt Untergruppe | . . Preparations containing skin colorant (face powders A61K 7/035; tanning preparations A61K 7/42) [2]                                                                                                                                                                                                                                                                          |
| A61K 7/025       | 3-Punkt Untergruppe | . . . for lips [2]                                                                                                                                                                                                                                                                                                                                                               |
| A61K 7/027       | 4-Punkt Untergruppe | . . . . Lipsticks [2]                                                                                                                                                                                                                                                                                                                                                            |
| A61K 7/031       | 3-Punkt Untergruppe | . . . for cheeks, e.g. rouge [2]                                                                                                                                                                                                                                                                                                                                                 |
| A61K 7/032       | 3-Punkt Untergruppe | . . . for eyes [2]                                                                                                                                                                                                                                                                                                                                                               |
| A61K 7/035       | 2-Punkt Untergruppe | . . Face or body powders for grooming, adorning or absorbing [2]                                                                                                                                                                                                                                                                                                                 |
| A61K 7/04        | 1-Punkt Untergruppe | . Manicure or pedicure compositions                                                                                                                                                                                                                                                                                                                                              |
| A61K 7/043       | 2-Punkt Untergruppe | . . Nail coatings [2]                                                                                                                                                                                                                                                                                                                                                            |
| A61K 7/047       | 2-Punkt Untergruppe | . . Nail coating removers [2]                                                                                                                                                                                                                                                                                                                                                    |

| Symbol           | Typ                 | Titel                                                                                                                                                                                                                                                                                                                              |
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| A61K 7/06        | 1-Punkt Untergruppe | . Preparations, e.g. lotions or powders, for care of the hair; Preparations to promote hair growth or to aid in hair removal, e.g. shaving preparations [2]                                                                                                                                                                        |
| A61K 7/07        | 2-Punkt Untergruppe | . . Hair powders [2]                                                                                                                                                                                                                                                                                                               |
| A61K 7/075       | 2-Punkt Untergruppe | . . Preparations specially adapted for washing the hair, e.g. containing hair conditioning substances [4]                                                                                                                                                                                                                          |
| A61K 7/08        | 2-Punkt Untergruppe | . . Preparations for rinsing the hair                                                                                                                                                                                                                                                                                              |
| A61K 7/09        | 2-Punkt Untergruppe | . . Preparations for waving or straightening the hair [2]                                                                                                                                                                                                                                                                          |
| A61K 7/11        | 2-Punkt Untergruppe | . . Preparations for fixing the hair [2]                                                                                                                                                                                                                                                                                           |
| A61K 7/13        | 2-Punkt Untergruppe | . . Preparations for dyeing the hair [2]                                                                                                                                                                                                                                                                                           |
| A61K 7/135       | 2-Punkt Untergruppe | . . Preparations for bleaching the hair [2]                                                                                                                                                                                                                                                                                        |
| A61K 7/15        | 2-Punkt Untergruppe | . . Shaving preparations (soaps or detergent compositions, e.g. shaving soaps, C11D) [2]                                                                                                                                                                                                                                           |
| A61K 7/155       | 2-Punkt Untergruppe | . . Depilatories [2]                                                                                                                                                                                                                                                                                                               |
| A61K 7/16        | 1-Punkt Untergruppe | . Preparations for cleaning the teeth or mouth, e.g. tooth-pastes; Mouthwashes                                                                                                                                                                                                                                                     |
| A61K 7/18        | 2-Punkt Untergruppe | . . Preparations containing fluorine compounds [2]                                                                                                                                                                                                                                                                                 |
| A61K 7/20        | 2-Punkt Untergruppe | . . Preparations containing compounds releasing oxygen or chlorine [2]                                                                                                                                                                                                                                                             |
| A61K 7/22        | 2-Punkt Untergruppe | . . Preparations containing ammonia, amines or derivatives thereof, e.g. urea [2]                                                                                                                                                                                                                                                  |
| A61K 7/24        | 2-Punkt Untergruppe | . . Preparations containing hydroxy-carboxylic acids or derivatives thereof, i.e. compounds wherein the oxygen of the hydroxy group and the carbonyl of the carboxylic acid group are retained [2]                                                                                                                                 |
| A61K 7/26        | 2-Punkt Untergruppe | . . Preparations containing plant or animal extracts, e.g. chlorophyll (A61K 7/28 takes precedence) [2]                                                                                                                                                                                                                            |
| A61K 7/28        | 2-Punkt Untergruppe | . . Preparations containing enzymes [2]                                                                                                                                                                                                                                                                                            |
| A61K 7/30        | 2-Punkt Untergruppe | . . Preparations for cleaning dentures [2]                                                                                                                                                                                                                                                                                         |
| A61K 7/32        | 1-Punkt Untergruppe | . Anti-perspirants or body deodorants (deodorants for non-body applications A61L 9/01) [2]                                                                                                                                                                                                                                         |
| A61K 7/34        | 2-Punkt Untergruppe | . . Preparations containing zirconium compounds [2]                                                                                                                                                                                                                                                                                |
| A61K 7/36        | 2-Punkt Untergruppe | . . Preparations containing zinc compounds [2]                                                                                                                                                                                                                                                                                     |
| A61K 7/38        | 2-Punkt Untergruppe | . . Preparations containing aluminium compounds [2]                                                                                                                                                                                                                                                                                |
| A61K 7/40        | 1-Punkt Untergruppe | . Barrier compositions; Chemical agents brought into direct contact with the skin of living human or animal bodies for affording protection against external influences, e.g. sunlight, X- or other active rays, corrosive materials, bacteria, insect stings (chemical means for combating harmful chemical agents A62D 3/00) [2] |
| A61K 7/42        | 2-Punkt Untergruppe | . . Topical sun or radiation screening or tanning preparations [2]                                                                                                                                                                                                                                                                 |
| A61K 7/44        | 3-Punkt Untergruppe | . . . Preparations containing aromatic acids or derivatives thereof, e.g. aminobenzoic acid, methyl salicylate [2]                                                                                                                                                                                                                 |
| A61K 7/46        | 1-Punkt Untergruppe | . Perfume compositions (essential oils, recovery thereof C11B 9/00) [2]                                                                                                                                                                                                                                                            |
| A61K 7/48        | 1-Punkt Untergruppe | . Preparations for the care of the skin (A61K 7/02 , A61K 7/40 take precedence) [2]                                                                                                                                                                                                                                                |
| A61K 7/50        | 2-Punkt Untergruppe | . . Washing or bathing preparations (soaps or detergent compositions C11D) [2]                                                                                                                                                                                                                                                     |
| <b>A61K 9/00</b> | <b>Hauptgruppe</b>  | <b>Medicinal preparations characterised by special physical form (nuclear magnetic resonance contrast preparations or magnetic resonance imaging contrast preparations A61K 49/18; preparations containing radioactive substances A61K 51/12)</b>                                                                                  |

| Symbol     | Typ                 | Titel                                                                                                                                           |
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| A61K 9/02  | 1-Punkt Untergruppe | . Suppositories; Bougies; Bases for suppositories or bougies (apparatus for making A61J 3/08; devices for introducing into the body A61M 31/00) |
| A61K 9/06  | 1-Punkt Untergruppe | . Ointments; Bases therefor (apparatus for making A61J 3/04)                                                                                    |
| A61K 9/08  | 1-Punkt Untergruppe | . Solutions [2, 3]                                                                                                                              |
| A61K 9/10  | 1-Punkt Untergruppe | . Dispersions; Emulsions [2, 3]                                                                                                                 |
| A61K 9/107 | 2-Punkt Untergruppe | . . Emulsions [5]                                                                                                                               |
| A61K 9/113 | 3-Punkt Untergruppe | . . . Multiple emulsions, e.g. oil-in-water-in-oil [5]                                                                                          |
| A61K 9/12  | 2-Punkt Untergruppe | . . Aerosols; Foams [2, 3]                                                                                                                      |
| A61K 9/127 | 2-Punkt Untergruppe | . . Liposomes [5]                                                                                                                               |
| A61K 9/133 | 3-Punkt Untergruppe | . . . Unilamellar vesicles [5]                                                                                                                  |
| A61K 9/14  | 1-Punkt Untergruppe | . Particulate form, e.g. powders (microcapsules A61K 9/50) [2]                                                                                  |
| A61K 9/16  | 2-Punkt Untergruppe | . . Agglomerates; Granulates; Microbeadlets [2]                                                                                                 |
| A61K 9/18  | 2-Punkt Untergruppe | . . Adsorbates [2]                                                                                                                              |
| A61K 9/19  | 2-Punkt Untergruppe | . . lyophilised [6]                                                                                                                             |
| A61K 9/20  | 1-Punkt Untergruppe | . Pills, lozenges or tablets [2]                                                                                                                |
| A61K 9/22  | 2-Punkt Untergruppe | . . Sustained or differential release type [2]                                                                                                  |
| A61K 9/24  | 3-Punkt Untergruppe | . . . Layered or laminated unitary dosage forms [2]                                                                                             |
| A61K 9/26  | 3-Punkt Untergruppe | . . . Discrete particles in supporting matrix [2]                                                                                               |
| A61K 9/28  | 2-Punkt Untergruppe | . . Dragees; Coated pills or tablets [2]                                                                                                        |
| A61K 9/30  | 3-Punkt Untergruppe | . . . Organic coatings [2]                                                                                                                      |
| A61K 9/32  | 4-Punkt Untergruppe | . . . . containing solid synthetic polymers [2]                                                                                                 |
| A61K 9/34  | 4-Punkt Untergruppe | . . . . containing natural gums or resins [2]                                                                                                   |
| A61K 9/36  | 4-Punkt Untergruppe | . . . . containing carbohydrates or derivatives thereof (A61K 9/34 takes precedence) [2]                                                        |
| A61K 9/38  | 4-Punkt Untergruppe | . . . . containing proteins or derivatives thereof [2]                                                                                          |
| A61K 9/40  | 5-Punkt Untergruppe | . . . . . Gelatin containing [2]                                                                                                                |
| A61K 9/42  | 4-Punkt Untergruppe | . . . . containing waxes, higher fatty acids, higher fatty alcohols, or derivatives thereof, e.g. chocolate [2]                                 |
| A61K 9/44  | 2-Punkt Untergruppe | . . printed, embossed, grooved, or perforated [2]                                                                                               |
| A61K 9/46  | 2-Punkt Untergruppe | . . effervescent [2]                                                                                                                            |
| A61K 9/48  | 1-Punkt Untergruppe | . Preparations in capsules, e.g. of gelatin, of chocolate [2]                                                                                   |
| A61K 9/50  | 2-Punkt Untergruppe | . . Microcapsules (A61K 9/52 takes precedence) [2]                                                                                              |
| A61K 9/51  | 3-Punkt Untergruppe | . . . Nanocapsules [5]                                                                                                                          |
| A61K 9/52  | 2-Punkt Untergruppe | . . Sustained or differential release type [2]                                                                                                  |

| Symbol             | Typ                        | Titel                                                                                                            |
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| A61K 9/54          | 3-Punkt Untergruppe        | . . . containing discrete particles with coatings of different thicknesses or different materials [2]            |
| A61K 9/56          | 4-Punkt Untergruppe        | . . . . Organic coatings [2]                                                                                     |
| A61K 9/58          | 5-Punkt Untergruppe        | . . . . . containing solid synthetic polymers [2]                                                                |
| A61K 9/60          | 5-Punkt Untergruppe        | . . . . . containing natural gums or resins [2]                                                                  |
| A61K 9/62          | 5-Punkt Untergruppe        | . . . . . containing carbohydrates or derivatives thereof (A61K 9/60 takes precedence) [2]                       |
| A61K 9/64          | 5-Punkt Untergruppe        | . . . . . containing proteins or derivatives thereof [2]                                                         |
| A61K 9/66          | 3-Punkt Untergruppe        | . . . containing emulsions, dispersions or solutions [2]                                                         |
| A61K 9/68          | 1-Punkt Untergruppe        | . chewing gum type (processes for preparing chewing gums A23G 3/30) [2]                                          |
| A61K 9/70          | 1-Punkt Untergruppe        | . Web, sheet or filament bases (bandages, dressings or absorbent pads A61F 13/00) [2]                            |
| A61K 9/72          | 1-Punkt Untergruppe        | . for smoking or inhaling [2]                                                                                    |
| <b>A61K 31/00</b>  | <b>Hauptgruppe</b>         | <b>Medicinal preparations containing organic active ingredients [2]</b>                                          |
| A61K 31/01         | 1-Punkt Untergruppe        | . Hydrocarbons [2]                                                                                               |
| A61K 31/015        | 2-Punkt Untergruppe        | . . carbocyclic [2]                                                                                              |
| A61K 31/02         | 1-Punkt Untergruppe        | . Halogenated hydrocarbons [2]                                                                                   |
| A61K 31/025        | 2-Punkt Untergruppe        | . . carbocyclic [2]                                                                                              |
| A61K 31/03         | 3-Punkt Untergruppe        | . . . aromatic [2]                                                                                               |
| A61K 31/035        | 2-Punkt Untergruppe        | . . having aliphatic unsaturation [2]                                                                            |
| A61K 31/04         | 1-Punkt Untergruppe        | . Nitro compounds [2]                                                                                            |
| <i>A61K 31/045</i> | <i>1-Punkt Untergruppe</i> | <i>. Hydroxy compounds, e.g. alcohols; Salts thereof, e.g. alcoholates ( hydroperoxides A61K 31/327 ) [2, 7]</i> |
| <i>A61K 31/047</i> | <i>2-Punkt Untergruppe</i> | <i>. . having two or more hydroxy groups, e.g. sorbitol [7]</i>                                                  |
| A61K 31/05         | 2-Punkt Untergruppe        | . . Phenols [2]                                                                                                  |
| A61K 31/055        | 3-Punkt Untergruppe        | . . . the aromatic ring being substituted by halogen [2]                                                         |
| A61K 31/06         | 3-Punkt Untergruppe        | . . . the aromatic ring being substituted by nitro groups [2]                                                    |
| A61K 31/065        | 2-Punkt Untergruppe        | . . Diphenyl-substituted acyclic alcohols [2]                                                                    |
| <i>A61K 31/07</i>  | <i>2-Punkt Untergruppe</i> | <i>. . Retinol compounds, e.g. vitamin A ( retinoic acids A61K 31/203 ) [2, 7]</i>                               |
| A61K 31/075        | 1-Punkt Untergruppe        | . Ethers or acetals [2]                                                                                          |
| A61K 31/08         | 2-Punkt Untergruppe        | . . acyclic, e.g. paraformaldehyde [2]                                                                           |
| A61K 31/085        | 2-Punkt Untergruppe        | . . having an ether linkage to aromatic ring nuclear carbon [2]                                                  |
| A61K 31/09         | 3-Punkt Untergruppe        | . . . having two or more such linkages [2]                                                                       |
| A61K 31/095        | 1-Punkt Untergruppe        | . Sulfur, selenium or tellurium compounds, e.g. thiols [2]                                                       |
| A61K 31/10         | 2-Punkt Untergruppe        | . . Sulfides; Sulfoxides; Sulfones [2]                                                                           |
| A61K 31/105        | 2-Punkt Untergruppe        | . . Persulfides (thiuram disulfides A61K 31/145; thiosulfonic acids A61K 31/185) [2]                             |

| Symbol      | Typ                 | Titel                                                                                                                                                                                      |
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| A61K 31/11  | 1-Punkt Untergruppe | . Aldehydes [2]                                                                                                                                                                            |
| A61K 31/115 | 2-Punkt Untergruppe | . . Formaldehyde [2]                                                                                                                                                                       |
| A61K 31/12  | 1-Punkt Untergruppe | . Ketones [2]                                                                                                                                                                              |
| A61K 31/121 | 2-Punkt Untergruppe | . . acyclic [7]                                                                                                                                                                            |
| A61K 31/122 | 2-Punkt Untergruppe | . . having the oxygen atom directly attached to a ring, e.g. quinones, vitamin K <sub>1</sub> , anthralin [7]                                                                              |
| A61K 31/125 | 3-Punkt Untergruppe | . . . Camphor; Nuclear substituted derivatives thereof [2]                                                                                                                                 |
| A61K 31/13  | 1-Punkt Untergruppe | . Amines, e.g. amantadine (A61K 31/04 takes precedence) [2]                                                                                                                                |
| A61K 31/131 | 2-Punkt Untergruppe | . . acyclic [7]                                                                                                                                                                            |
| A61K 31/132 | 2-Punkt Untergruppe | . . having two or more amino groups, e.g. spermidine, putrescine [7]                                                                                                                       |
| A61K 31/133 | 2-Punkt Untergruppe | . . having hydroxy groups, e.g. sphingosine [7]                                                                                                                                            |
| A61K 31/135 | 2-Punkt Untergruppe | . . having aromatic rings, e.g. methadone [2, 7]                                                                                                                                           |
| A61K 31/136 | 3-Punkt Untergruppe | . . . having the amino group directly attached to the aromatic ring, e.g. benzeneamine [7]                                                                                                 |
| A61K 31/137 | 3-Punkt Untergruppe | . . . Arylalkylamines, e.g. amphetamine, epinephrine, salbutamol, ephedrine [7]                                                                                                            |
| A61K 31/138 | 3-Punkt Untergruppe | . . . Aryloxyalkylamines, e.g. propranolol, tamoxifen, phenoxybenzamine (atenolol A61K 31/165; pindolol A61K 31/404; timolol A61K 31/5377) [7]                                             |
| A61K 31/14  | 2-Punkt Untergruppe | . . Quaternary ammonium compounds, e.g. edrophonium, choline (betaines A61K 31/205) [2]                                                                                                    |
| A61K 31/145 | 2-Punkt Untergruppe | . . having sulfur atoms, e.g. thiurams ( > N-C(S)-S-C(S)-N < or > N-C(S)-S-S-C(S)-N < ); Sulfinylamines (-N=SO); Sulfonylamines (-N=SO <sub>2</sub> ) (isothioureas A61K 31/155) [2, 7]    |
| A61K 31/15  | 2-Punkt Untergruppe | . . Oximes ( > C=N-O-); Hydrazines ( > N-N < ); Hydrazones ( > N=N=) [2]                                                                                                                   |
| A61K 31/155 | 2-Punkt Untergruppe | . . Amidines ([Bild nicht vorhanden.]), e.g. guanidine (H <sub>2</sub> N-C(=NH)-NH <sub>2</sub> ), isourea (HN=C(OH)NH <sub>2</sub> ), isothiurea (HN=C(SH)-NH <sub>2</sub> ) [2]          |
| A61K 31/16  | 1-Punkt Untergruppe | . Amides, e.g. hydroxamic acids [2]                                                                                                                                                        |
| A61K 31/164 | 2-Punkt Untergruppe | . . of a carboxylic acid with an aminoalcohol, e.g. ceramides [7]                                                                                                                          |
| A61K 31/165 | 2-Punkt Untergruppe | . . having aromatic rings, e.g. colchicine, atenolol, progabide [2]                                                                                                                        |
| A61K 31/166 | 3-Punkt Untergruppe | . . . having the carbon atom of a carboxamide group directly attached to the aromatic ring, e.g. procainamide, procabazine, metoclopramide, labetalol [7]                                  |
| A61K 31/167 | 3-Punkt Untergruppe | . . . having the nitrogen atom of a carboxamide group directly attached to the aromatic ring, e.g. lidocaine, paracetamol [7]                                                              |
| A61K 31/17  | 2-Punkt Untergruppe | . . having the group > N-C(O)-N < or > N-C(S)-N < , e.g. urea, thiourea, carmustine (isoureas, isothiureas A61K 31/155; sulfonylureas A61K 31/64) [2, 7]                                   |
| A61K 31/175 | 3-Punkt Untergruppe | . . . having the group [Bild nicht vorhanden.], > N-C(O)-N=N- or [Bild nicht vorhanden.], e.g. carbonohydrazides, carbazones, semicarbazides, semicarbazones; Thioanalogues thereof [2, 7] |
| A61K 31/18  | 2-Punkt Untergruppe | . . Sulfonamides (compounds containing a para-N-benzene-sulfonyl-N-group A61K 31/63) [2]                                                                                                   |
| A61K 31/185 | 1-Punkt Untergruppe | . Acids; Anhydrides, halides or salts thereof, e.g. sulfur acids, imidic, hydrazonic or hydroxamic acids (hydroxamic acids A61K 31/16; peroxy acids A61K 31/327) [2, 7]                    |
| A61K 31/19  | 2-Punkt Untergruppe | . . Carboxylic acids, e.g. valproic acid (salicylic acid A61K 31/60) [2, 7]                                                                                                                |

| Symbol      | Typ                 | Titel                                                                                                                                                                                                                          |
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| A61K 31/191 | 3-Punkt Untergruppe | . . . Acyclic acids having two or more hydroxy groups, e.g. gluconic acid [7]                                                                                                                                                  |
| A61K 31/192 | 3-Punkt Untergruppe | . . . having aromatic groups, e.g. sulindac, 2-aryl-propionic acids, ethacrynic acid [7]                                                                                                                                       |
| A61K 31/194 | 3-Punkt Untergruppe | . . . having two or more carboxyl groups, e.g. succinic, maleic or phthalic acid [7]                                                                                                                                           |
| A61K 31/195 | 3-Punkt Untergruppe | . . . having an amino group [2, 7]                                                                                                                                                                                             |
| A61K 31/196 | 4-Punkt Untergruppe | . . . . the amino group being directly attached to a ring, e.g. anthranilic acid, mefenamic acid, diclofenac, chlorambucil [7]                                                                                                 |
| A61K 31/197 | 4-Punkt Untergruppe | . . . . the amino and the carboxyl groups being attached to the same acyclic carbon chain, e.g. gamma-aminobutyric acid (GABA), beta-alanine, epsilon-aminocaproic acid, pantothenic acid ( carnitine A61K 31/205 ) [7]        |
| A61K 31/198 | 5-Punkt Untergruppe | . . . . . Alpha-amino acids, e.g. alanine, edetic acid (EDTA) ( betaine A61K 31/205 ; proline A61K 31/401 ; tryptophan A61K 31/405 ; histidine A61K 31/4172 ; peptides not degraded to individual amino acids A61K 38/00 ) [7] |
| A61K 31/20  | 3-Punkt Untergruppe | . . . having a carboxyl group bound to an acyclic chain of seven or more carbon atoms, e.g. stearic, palmitic or arachidic acid [2]                                                                                            |
| A61K 31/201 | 4-Punkt Untergruppe | . . . . having one or two double bonds, e.g. oleic or linoleic acid [7]                                                                                                                                                        |
| A61K 31/202 | 4-Punkt Untergruppe | . . . . having three or more double bonds, e.g. linolenic acid ( eicosanoids, e.g. leukotrienes, A61K 31/557 ) [7]                                                                                                             |
| A61K 31/203 | 4-Punkt Untergruppe | . . . . Retinoic acids [7]                                                                                                                                                                                                     |
| A61K 31/205 | 2-Punkt Untergruppe | . . Amine addition salts of organic acids; Inner quaternary ammonium salts, e.g. betaine, carnitine [2]                                                                                                                        |
| A61K 31/21  | 1-Punkt Untergruppe | . Esters, e.g. nitroglycerine, selenocyanates [2]                                                                                                                                                                              |
| A61K 31/215 | 2-Punkt Untergruppe | . . of carboxylic acids [2]                                                                                                                                                                                                    |
| A61K 31/216 | 3-Punkt Untergruppe | . . . of acids having aromatic rings, e.g. benactizyne, clofibrate [7]                                                                                                                                                         |
| A61K 31/22  | 3-Punkt Untergruppe | . . . of acyclic acids, e.g. pravastatin [2]                                                                                                                                                                                   |
| A61K 31/221 | 4-Punkt Untergruppe | . . . . with compounds having an amino group, e.g. acetylcholine, acetylcarnitine [7]                                                                                                                                          |
| A61K 31/222 | 4-Punkt Untergruppe | . . . . with compounds having aromatic groups, e.g. dipivefrine, ibopamine [7]                                                                                                                                                 |
| A61K 31/223 | 4-Punkt Untergruppe | . . . . of alpha-amino acids [7]                                                                                                                                                                                               |
| A61K 31/225 | 4-Punkt Untergruppe | . . . . Polycarboxylic acids [2]                                                                                                                                                                                               |
| A61K 31/23  | 4-Punkt Untergruppe | . . . . of acids having a carboxyl group bound to a chain of seven or more carbon atoms [2]                                                                                                                                    |
| A61K 31/231 | 5-Punkt Untergruppe | . . . . . having one or two double bonds [7]                                                                                                                                                                                   |
| A61K 31/232 | 5-Punkt Untergruppe | . . . . . having three or more double bonds, e.g. etretinate [7]                                                                                                                                                               |
| A61K 31/235 | 3-Punkt Untergruppe | . . . having an aromatic ring attached to a carboxyl group [2]                                                                                                                                                                 |
| A61K 31/24  | 4-Punkt Untergruppe | . . . . having an amino or nitro group [2]                                                                                                                                                                                     |
| A61K 31/245 | 5-Punkt Untergruppe | . . . . . Amino benzoic acid types, e.g. procaine, novocaine (salicylic acid esters A61K 31/60) [2]                                                                                                                            |
| A61K 31/25  | 3-Punkt Untergruppe | . . . with polyoxyalkylated alcohols, e.g. esters of polyethylene glycol [2]                                                                                                                                                   |
| A61K 31/255 | 2-Punkt Untergruppe | . . of sulfoxy acids or sulfur analogues thereof [2]                                                                                                                                                                           |

| Symbol      | Typ                 | Titel                                                                                                                     |
|-------------|---------------------|---------------------------------------------------------------------------------------------------------------------------|
| A61K 31/26  | 2-Punkt Untergruppe | . . . Cyanate or isocyanate esters ; Thiocyanate or isothiocyanate esters [2, 7]                                          |
| A61K 31/265 | 2-Punkt Untergruppe | . . . of carbonic, thiocarbonic or thiocarboxylic acids, e.g. thioacetic acid, xanthogenic acid, trithiocarbonic acid [2] |
| A61K 31/27  | 2-Punkt Untergruppe | . . . of carbamic or thiocarbamic acids, e.g. meprobamate, carbachol, neostigmine [2]                                     |
| A61K 31/275 | 1-Punkt Untergruppe | . . Nitriles; Isonitriles [2]                                                                                             |
| A61K 31/277 | 2-Punkt Untergruppe | . . . having a ring, e.g. verapamil [7]                                                                                   |
| A61K 31/28  | 1-Punkt Untergruppe | . . Compounds containing heavy metals [2]                                                                                 |
| A61K 31/282 | 2-Punkt Untergruppe | . . . Platinum compounds [7]                                                                                              |
| A61K 31/285 | 2-Punkt Untergruppe | . . . Arsenic compounds [2]                                                                                               |
| A61K 31/29  | 2-Punkt Untergruppe | . . . Antimony or bismuth compounds [2]                                                                                   |
| A61K 31/295 | 2-Punkt Untergruppe | . . . Iron group metal compounds [2]                                                                                      |
| A61K 31/30  | 2-Punkt Untergruppe | . . . Copper compounds [2]                                                                                                |
| A61K 31/305 | 2-Punkt Untergruppe | . . . Mercury compounds [2]                                                                                               |
| A61K 31/31  | 3-Punkt Untergruppe | . . . . containing nitrogen [2]                                                                                           |
| A61K 31/315 | 2-Punkt Untergruppe | . . . Zinc compounds [2]                                                                                                  |
| A61K 31/32  | 2-Punkt Untergruppe | . . . Tin compounds [2]                                                                                                   |
| A61K 31/325 | 1-Punkt Untergruppe | . . Carbamic acids; Thiocarbamic acids; Anhydrides or salts thereof (thiurams A61K 31/145) [2]                            |
| A61K 31/327 | 1-Punkt Untergruppe | . . . Peroxy compounds, e.g. hydroperoxides, peroxides, peroxy acids [7]                                                  |
| A61K 31/33  | 1-Punkt Untergruppe | . . Heterocyclic compounds [2]                                                                                            |
| A61K 31/335 | 2-Punkt Untergruppe | . . . having oxygen as the only ring hetero atom, e.g. fungichromin [2]                                                   |
| A61K 31/336 | 3-Punkt Untergruppe | . . . . having three-membered rings, e.g. oxirane, fumagillin [7]                                                         |
| A61K 31/337 | 3-Punkt Untergruppe | . . . . having four-membered rings, e.g. taxol [7]                                                                        |
| A61K 31/34  | 3-Punkt Untergruppe | . . . . having five-membered rings with one oxygen as the only ring hetero atom, e.g. isosorbide [2]                      |
| A61K 31/341 | 4-Punkt Untergruppe | . . . . . not condensed with another ring, e.g. ranitidine, furosemide, bufetolol, muscarine [7]                          |
| A61K 31/343 | 4-Punkt Untergruppe | . . . . . condensed with a carbocyclic ring, e.g. coumaran, bufuralol, befunolol, clobenfurol, amiodarone [7]             |
| A61K 31/345 | 4-Punkt Untergruppe | . . . . . Nitrofurans ( nitrofurantoin A61K 31/4178 ) [2, 7]                                                              |
| A61K 31/35  | 3-Punkt Untergruppe | . . . . having six-membered rings with one oxygen as the only ring hetero atom [2]                                        |
| A61K 31/351 | 4-Punkt Untergruppe | . . . . . not condensed with another ring [7]                                                                             |
| A61K 31/352 | 4-Punkt Untergruppe | . . . . . condensed with carbocyclic rings, e.g. cannabinoids, methantheline [7]                                          |
| A61K 31/353 | 5-Punkt Untergruppe | . . . . . 3,4-Dihydrobenzopyrans, e.g. chroman, catechin [7]                                                              |
| A61K 31/355 | 6-Punkt Untergruppe | . . . . . Tocopherols, e.g. vitamin E [2]                                                                                 |
| A61K 31/357 | 3-Punkt Untergruppe | . . . . having two or more oxygen atoms in the same ring, e.g. crown ethers, guanadrel [7]                                |

| Symbol       | Typ                 | Titel                                                                                                                                  |
|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/36   | 4-Punkt Untergruppe | . . . . Compounds containing methylenedioxyphenyl groups, e.g. sesamin [2]                                                             |
| A61K 31/365  | 3-Punkt Untergruppe | . . . Lactones [2]                                                                                                                     |
| A61K 31/366  | 4-Punkt Untergruppe | . . . . having six-membered rings, e.g. delta-lactones [7]                                                                             |
| A61K 31/37   | 5-Punkt Untergruppe | . . . . . Coumarins, e.g. psoralen [2]                                                                                                 |
| A61K 31/375  | 4-Punkt Untergruppe | . . . . Ascorbic acid, i.e. vitamin C; Salts thereof [2]                                                                               |
| A61K 31/38   | 2-Punkt Untergruppe | . . having sulfur as a ring hetero atom [2]                                                                                            |
| A61K 31/381  | 3-Punkt Untergruppe | . . . having five-membered rings [7]                                                                                                   |
| A61K 31/382  | 3-Punkt Untergruppe | . . . having six-membered rings, e.g. thioxanthenes ( thiothixene A61K 31/496 ) [7]                                                    |
| A61K 31/385  | 3-Punkt Untergruppe | . . . having two or more sulfur atoms in the same ring [2]                                                                             |
| A61K 31/39   | 3-Punkt Untergruppe | . . . having oxygen atoms in the same ring [2]                                                                                         |
| A61K 31/395  | 2-Punkt Untergruppe | . . having nitrogen as a ring hetero atom, e.g. guanethidine, rifamycins ( rifampin A61K 31/496 ) [2, 7]                               |
| A61K 31/396  | 3-Punkt Untergruppe | . . . having three-membered rings, e.g. aziridine [7]                                                                                  |
| A61K 31/397  | 3-Punkt Untergruppe | . . . having four-membered rings, e.g. azetidine [7]                                                                                   |
| A61K 31/40   | 3-Punkt Untergruppe | . . . having five-membered rings with one nitrogen as the only ring hetero atom, e.g. sulpiride, succinimide, tolmetin, buflomedil [2] |
| A61K 31/401  | 4-Punkt Untergruppe | . . . . Proline ; Derivatives thereof, e.g. captopril [7]                                                                              |
| A61K 31/4015 | 4-Punkt Untergruppe | . . . . having oxo groups directly attached to the heterocyclic ring, e.g. piracetam, ethosuximide [7]                                 |
| A61K 31/402  | 4-Punkt Untergruppe | . . . . 1-aryl-substituted, e.g. piretanide [7]                                                                                        |
| A61K 31/4025 | 4-Punkt Untergruppe | . . . . not condensed and containing further heterocyclic rings, e.g. cromakalim [7]                                                   |
| A61K 31/403  | 4-Punkt Untergruppe | . . . . condensed with carbocyclic rings, e.g. carbazole [7]                                                                           |
| A61K 31/4035 | 5-Punkt Untergruppe | . . . . . Isoindoles, e.g. phthalimide [7]                                                                                             |
| A61K 31/404  | 5-Punkt Untergruppe | . . . . . Indoles, e.g. pindolol [7]                                                                                                   |
| A61K 31/4045 | 6-Punkt Untergruppe | . . . . . Indole-alkylamines ; Amides thereof, e.g. serotonin, melatonin [7]                                                           |
| A61K 31/405  | 6-Punkt Untergruppe | . . . . . Indole-alkanecarboxylic acids; Derivatives thereof, e.g. tryptophan, indomethacin [2]                                        |
| A61K 31/407  | 4-Punkt Untergruppe | . . . . condensed with heterocyclic ring systems, e.g. ketorolac, physostigmine [7]                                                    |
| A61K 31/409  | 4-Punkt Untergruppe | . . . . having four such rings, e.g. porphine derivatives, bilirubin, biliverdine ( hemin, hematicin A61K 31/555 ) [7]                 |
| A61K 31/41   | 3-Punkt Untergruppe | . . . having five-membered rings with two or more ring hetero atoms, at least one of which is nitrogen, e.g. tetrazole [2]             |
| A61K 31/415  | 4-Punkt Untergruppe | . . . . 1,2-Diazoles [2, 7]                                                                                                            |
| A61K 31/4152 | 5-Punkt Untergruppe | . . . . . having oxo groups directly attached to the heterocyclic ring, e.g. antipyrine, phenylbutazone, sulfinpyrazone [7]            |
| A61K 31/4155 | 5-Punkt Untergruppe | . . . . . not condensed and containing further heterocyclic rings [7]                                                                  |
| A61K 31/416  | 5-Punkt Untergruppe | . . . . . condensed with carbocyclic ring systems, e.g. indazole [7]                                                                   |



| Symbol       | Typ                 | Titel                                                                                                                                                                                   |
|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/4162 | 5-Punkt Untergruppe | condensed with heterocyclic ring systems [7]                                                                                                                                            |
| A61K 31/4164 | 4-Punkt Untergruppe | 1,3-Diazoles [7]                                                                                                                                                                        |
| A61K 31/4166 | 5-Punkt Untergruppe | having oxo groups directly attached to the heterocyclic ring, e.g. phenytoin [7]                                                                                                        |
| A61K 31/4168 | 5-Punkt Untergruppe | having a nitrogen atom attached in position 2, e.g. clonidine [7]                                                                                                                       |
| A61K 31/417  | 5-Punkt Untergruppe | Imidazole-alkylamines, e.g. histamine, phentolamine [7]                                                                                                                                 |
| A61K 31/4172 | 5-Punkt Untergruppe | Imidazole-alkanecarboxylic acids, e.g. histidine [7]                                                                                                                                    |
| A61K 31/4174 | 5-Punkt Untergruppe | Arylalkylimidazoles, e.g. oxymetazolin, naphazoline, miconazole [7]                                                                                                                     |
| A61K 31/4178 | 5-Punkt Untergruppe | not condensed and containing further heterocyclic rings, e.g. pilocarpine, nitrofurantoin [7]                                                                                           |
| A61K 31/4184 | 5-Punkt Untergruppe | condensed with carbocyclic rings, e.g. benzimidazoles [7]                                                                                                                               |
| A61K 31/4188 | 5-Punkt Untergruppe | condensed with heterocyclic ring systems, e.g. biotin, sorbinil [7]                                                                                                                     |
| A61K 31/4192 | 4-Punkt Untergruppe | 1,2,3-Triazoles [7]                                                                                                                                                                     |
| A61K 31/4196 | 4-Punkt Untergruppe | 1,2,4-Triazoles [7]                                                                                                                                                                     |
| A61K 31/42   | 4-Punkt Untergruppe | Oxazoles [2, 7]                                                                                                                                                                         |
| A61K 31/421  | 5-Punkt Untergruppe | 1,3-Oxazoles, e.g. pemoline, trimethadione [7]                                                                                                                                          |
| A61K 31/422  | 5-Punkt Untergruppe | not condensed and containing further heterocyclic rings [7]                                                                                                                             |
| A61K 31/423  | 5-Punkt Untergruppe | condensed with carbocyclic rings [7]                                                                                                                                                    |
| A61K 31/424  | 5-Punkt Untergruppe | condensed with heterocyclic ring systems, e.g. clavulanic acid [7]                                                                                                                      |
| A61K 31/4245 | 4-Punkt Untergruppe | Oxadiazoles [7]                                                                                                                                                                         |
| A61K 31/425  | 4-Punkt Untergruppe | Thiazoles [2, 7]                                                                                                                                                                        |
| A61K 31/426  | 5-Punkt Untergruppe | 1,3-Thiazoles [7]                                                                                                                                                                       |
| A61K 31/427  | 5-Punkt Untergruppe | not condensed and containing further heterocyclic rings [7]                                                                                                                             |
| A61K 31/428  | 5-Punkt Untergruppe | condensed with carbocyclic rings [7]                                                                                                                                                    |
| A61K 31/429  | 5-Punkt Untergruppe | condensed with heterocyclic ring systems [7]                                                                                                                                            |
| A61K 31/43   | 6-Punkt Untergruppe | Compounds containing 4-thia-1-azabicyclo [3.2.0] heptane ring systems, i.e. compounds containing a ring system of the formula [Bild nicht vorhanden.] , e.g. penicillins, penems [2, 6] |
| A61K 31/431  | 7-Punkt Untergruppe | containing further heterocyclic ring systems, e.g. ticarcillin, azlocillin, oxacillin [7]                                                                                               |
| A61K 31/433  | 4-Punkt Untergruppe | Thiadiazoles [7]                                                                                                                                                                        |
| A61K 31/435  | 3-Punkt Untergruppe | having six-membered rings with one nitrogen as the only ring hetero atom [2]                                                                                                            |
| A61K 31/4353 | 4-Punkt Untergruppe | ortho- or peri-condensed with heterocyclic ring systems [7]                                                                                                                             |
| A61K 31/4355 | 5-Punkt Untergruppe | the heterocyclic ring system containing a five-membered ring having oxygen as a ring hetero atom [7]                                                                                    |
| A61K 31/436  | 5-Punkt Untergruppe | the heterocyclic ring system containing a six-membered ring having oxygen as a ring hetero atom, e.g. rapamycin [7]                                                                     |

| Symbol       | Typ                 | Titel                                                                                                                                                              |
|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/4365 | 5-Punkt Untergruppe | ... the heterocyclic ring system having sulfur as a ring hetero atom, e.g. ticlopidine [7]                                                                         |
| A61K 31/437  | 5-Punkt Untergruppe | ... the heterocyclic ring system containing a five-membered ring having nitrogen as a ring hetero atom, e.g. indolizine, beta-carboline [7]                        |
| A61K 31/4375 | 5-Punkt Untergruppe | ... the heterocyclic ring system containing a six-membered ring having nitrogen as a ring hetero atom, e.g. quinolizines, naphthyridines, berberine, vincamine [7] |
| A61K 31/438  | 4-Punkt Untergruppe | ... the ring being spiro-condensed with carbocyclic or heterocyclic ring systems [7]                                                                               |
| A61K 31/439  | 4-Punkt Untergruppe | ... the ring forming part of a bridged ring system, e.g. quinuclidine ( 8-azabicyclo [3.2.1] octanes A61K 31/46 ) [7]                                              |
| A61K 31/44   | 4-Punkt Untergruppe | ... Non-condensed pyridines ; Hydrogenated derivatives thereof [2, 7]                                                                                              |
| A61K 31/4402 | 5-Punkt Untergruppe | ... only substituted in position 2, e.g. pheniramine, bisacodyl [7]                                                                                                |
| A61K 31/4406 | 5-Punkt Untergruppe | ... only substituted in position 3, e.g. zimeldine ( nicotinic acid A61K 31/455 ) [7]                                                                              |
| A61K 31/4409 | 5-Punkt Untergruppe | ... only substituted in position 4, e.g. isoniazid, iproniazid [7]                                                                                                 |
| A61K 31/4412 | 5-Punkt Untergruppe | ... having oxo groups directly attached to the heterocyclic ring [7]                                                                                               |
| A61K 31/4415 | 5-Punkt Untergruppe | ... Pyridoxine, i.e.vitamin B_6_ ( pyridoxal phosphate A61K 31/675 ) [7]                                                                                           |
| A61K 31/4418 | 5-Punkt Untergruppe | ... having a carbocyclic ring directly attached to the heterocyclic ring, e.g. cyproheptadine [7]                                                                  |
| A61K 31/4422 | 5-Punkt Untergruppe | ... 1,4-Dihydropyridines, e.g. nifedipine, nicardipine [7]                                                                                                         |
| A61K 31/4425 | 5-Punkt Untergruppe | ... Pyridinium derivatives, e.g. pralidoxime, pyridostigmine [7]                                                                                                   |
| A61K 31/4427 | 5-Punkt Untergruppe | ... containing further heterocyclic ring systems [7]                                                                                                               |
| A61K 31/443  | 6-Punkt Untergruppe | ... containing a five-membered ring with oxygen as a ring hetero atom [7]                                                                                          |
| A61K 31/4433 | 6-Punkt Untergruppe | ... containing a six-membered ring with oxygen as a ring hetero atom [7]                                                                                           |
| A61K 31/4436 | 6-Punkt Untergruppe | ... containing a heterocyclic ring having sulfur as a ring hetero atom [7]                                                                                         |
| A61K 31/4439 | 6-Punkt Untergruppe | ... containing a five-membered ring with nitrogen as a ring hetero atom, e.g. omeprazole ( nicotine A61K 31/465 ) [7]                                              |
| A61K 31/444  | 6-Punkt Untergruppe | ... containing a six-membered ring with nitrogen as a ring hetero atom, e.g. amrinone [7]                                                                          |
| A61K 31/445  | 5-Punkt Untergruppe | ... Non-condensed piperidines, e.g. piperocaine [2, 7]                                                                                                             |
| A61K 31/4453 | 6-Punkt Untergruppe | ... only substituted in position 1, e.g. propipocaine, diperodon [7]                                                                                               |
| A61K 31/4458 | 6-Punkt Untergruppe | ... only substituted in position 2, e.g. methylphenidate [7]                                                                                                       |
| A61K 31/4462 | 6-Punkt Untergruppe | ... only substituted in position 3 [7]                                                                                                                             |
| A61K 31/4465 | 6-Punkt Untergruppe | ... only substituted in position 4 [7]                                                                                                                             |
| A61K 31/4468 | 6-Punkt Untergruppe | ... having a nitrogen atom directly attached in position 4, e.g. clebopride, fentanyl [7]                                                                          |
| A61K 31/45   | 6-Punkt Untergruppe | ... having oxo groups directly attached to the heterocyclic ring, e.g. cycloheximide [2, 7]                                                                        |
| A61K 31/451  | 6-Punkt Untergruppe | ... having a carbocyclic ring directly attached to the heterocyclic ring, e.g. glutethimide, meperidine, loperamide, phencyclidine, piminodine [7]                 |
| A61K 31/4515 | 6-Punkt Untergruppe | ... having a butyrophenone group in position 1, e.g. haloperidol ( pipamperone A61K 31/4545 ) [7]                                                                  |

| Symbol       | Typ                 | Titel                                                                                                                                                                                  |
|--------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/452  | 6-Punkt Untergruppe | ..... Piperidinium derivatives ( pancuronium A61K 31/58 ) [7]                                                                                                                          |
| A61K 31/4523 | 6-Punkt Untergruppe | ..... containing further heterocyclic ring systems [7]                                                                                                                                 |
| A61K 31/4525 | 7-Punkt Untergruppe | ..... containing a five-membered ring with oxygen as a ring hetero atom [7]                                                                                                            |
| A61K 31/453  | 7-Punkt Untergruppe | ..... containing a six-membered ring with oxygen as a ring hetero atom [7]                                                                                                             |
| A61K 31/4535 | 7-Punkt Untergruppe | ..... containing a heterocyclic ring having sulfur as a ring hetero atom, e.g. pizotifen [7]                                                                                           |
| A61K 31/454  | 7-Punkt Untergruppe | ..... containing a five-membered ring with nitrogen as a ring hetero atom, e.g. pimozide, domperidone [7]                                                                              |
| A61K 31/4545 | 7-Punkt Untergruppe | ..... containing a six-membered ring with nitrogen as a ring hetero atom, e.g. pipamperone, anabesine [7]                                                                              |
| A61K 31/455  | 5-Punkt Untergruppe | ..... Nicotinic acid, i.e. niacin; Derivatives thereof, e.g. esters, amides [2]                                                                                                        |
| A61K 31/46   | 4-Punkt Untergruppe | .... 8-Azabicyclo [3.2.1] octane; Derivatives thereof, e.g. atropine, cocaine [2]                                                                                                      |
| A61K 31/465  | 4-Punkt Untergruppe | .... Nicotine; Derivatives thereof [2]                                                                                                                                                 |
| A61K 31/47   | 4-Punkt Untergruppe | .... Quinolines; Isoquinolines [2]                                                                                                                                                     |
| A61K 31/4704 | 5-Punkt Untergruppe | ..... 2-Quinolinones, e.g. carbostyrl [7]                                                                                                                                              |
| A61K 31/4706 | 5-Punkt Untergruppe | ..... 4-Aminoquinolines ; 8-Aminoquinolines, e.g. chloroquine, primaquine [7]                                                                                                          |
| A61K 31/4709 | 5-Punkt Untergruppe | ..... Non-condensed quinolines containing further heterocyclic rings [7]                                                                                                               |
| A61K 31/472  | 5-Punkt Untergruppe | ..... Non-condensed isoquinolines, e.g. papaverine [7]                                                                                                                                 |
| A61K 31/4725 | 6-Punkt Untergruppe | ..... containing further heterocyclic rings [7]                                                                                                                                        |
| A61K 31/473  | 5-Punkt Untergruppe | ..... ortho- or peri-condensed with carbocyclic ring systems, e.g. acridines, phenanthridines [7]                                                                                      |
| A61K 31/4738 | 5-Punkt Untergruppe | ..... ortho- or peri-condensed with heterocyclic ring systems [7]                                                                                                                      |
| A61K 31/4741 | 6-Punkt Untergruppe | ..... condensed with ring systems having oxygen as a ring hetero atom, e.g. tubocuraran derivatives, noscapine, bicuculline [7]                                                        |
| A61K 31/4743 | 6-Punkt Untergruppe | ..... condensed with ring systems having sulfur as a ring hetero atom [7]                                                                                                              |
| A61K 31/4745 | 6-Punkt Untergruppe | ..... condensed with ring systems having nitrogen as a ring hetero atom, e.g. phenanthrolines ( yohimbine derivatives, vinblastine A61K 31/475 ; ergoline derivatives A61K 31/48 ) [7] |
| A61K 31/4747 | 5-Punkt Untergruppe | ..... spiro-condensed [7]                                                                                                                                                              |
| A61K 31/4748 | 5-Punkt Untergruppe | ..... forming part of bridged ring systems ( strychnine A61K 31/475 ; morphinan derivatives A61K 31/485 ) [7]                                                                          |
| A61K 31/475  | 5-Punkt Untergruppe | ..... having an indole ring, e.g. yohimbine, reserpine, strychnine, vinblastine ( vincamine A61K 31/4375 ) [2, 7]                                                                      |
| A61K 31/48   | 5-Punkt Untergruppe | ..... Ergoline derivatives, e.g. lysergic acid, ergotamine [2, 7]                                                                                                                      |
| A61K 31/485  | 5-Punkt Untergruppe | ..... Morphinan derivatives, e.g. morphine, codeine [2, 7]                                                                                                                             |
| A61K 31/49   | 5-Punkt Untergruppe | ..... Cinchonan derivatives, e.g. quinine [2, 7]                                                                                                                                       |
| A61K 31/495  | 3-Punkt Untergruppe | ... having six-membered rings with two nitrogen atoms as the only ring hetero atoms, e.g. piperazine (A61K 31/48 takes precedence) [2]                                                 |

| Symbol       | Typ                 | Titel                                                                                                                                         |
|--------------|---------------------|-----------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/496  | 4-Punkt Untergruppe | . . . . Non-condensed piperazines containing further heterocyclic rings, e.g. rifampin, thiothixene [7]                                       |
| A61K 31/4965 | 4-Punkt Untergruppe | . . . . Non-condensed pyrazines [7]                                                                                                           |
| A61K 31/497  | 5-Punkt Untergruppe | . . . . . containing further heterocyclic rings [7]                                                                                           |
| A61K 31/498  | 4-Punkt Untergruppe | . . . . Pyrazines or piperazines ortho- or peri-condensed with carbocyclic ring systems, e.g. quinoxaline, phenazine [7]                      |
| A61K 31/4985 | 4-Punkt Untergruppe | . . . . Pyrazines or piperazines ortho- or peri-condensed with heterocyclic ring systems [7]                                                  |
| A61K 31/499  | 4-Punkt Untergruppe | . . . . Spiro-condensed pyrazines or piperazines [7]                                                                                          |
| A61K 31/4995 | 4-Punkt Untergruppe | . . . . Pyrazines or piperazines forming part of bridged ring systems [7]                                                                     |
| A61K 31/50   | 4-Punkt Untergruppe | . . . . Pyridazines ; Hydrogenated pyridazines [2, 7]                                                                                         |
| A61K 31/501  | 5-Punkt Untergruppe | . . . . . not condensed and containing further heterocyclic rings [7]                                                                         |
| A61K 31/502  | 5-Punkt Untergruppe | . . . . . ortho- or peri-condensed with carbocyclic ring systems, e.g. cinnoline, phthalazine [7]                                             |
| A61K 31/5025 | 5-Punkt Untergruppe | . . . . . ortho- or peri-condensed with heterocyclic ring systems [7]                                                                         |
| A61K 31/503  | 5-Punkt Untergruppe | . . . . . spiro-condensed [7]                                                                                                                 |
| A61K 31/504  | 5-Punkt Untergruppe | . . . . . forming part of bridged ring systems [7]                                                                                            |
| A61K 31/505  | 4-Punkt Untergruppe | . . . . Pyrimidines ; Hydrogenated pyrimidines, e.g. trimethoprim [2, 7]                                                                      |
| A61K 31/506  | 5-Punkt Untergruppe | . . . . . not condensed and containing further heterocyclic rings [7]                                                                         |
| A61K 31/51   | 6-Punkt Untergruppe | . . . . . Thiamines, e.g. vitamin B <sub>1</sub> [2]                                                                                          |
| A61K 31/513  | 5-Punkt Untergruppe | . . . . . having oxo groups directly attached to the heterocyclic ring, e.g. cytosine [7]                                                     |
| A61K 31/515  | 6-Punkt Untergruppe | . . . . . Barbituric acids; Derivatives thereof, e.g. sodium pentobarbital [2]                                                                |
| A61K 31/517  | 5-Punkt Untergruppe | . . . . . ortho- or peri-condensed with carbocyclic ring systems, e.g. quinazoline, perimidine [7]                                            |
| A61K 31/519  | 5-Punkt Untergruppe | . . . . . ortho- or peri-condensed with heterocyclic rings [7]                                                                                |
| A61K 31/52   | 6-Punkt Untergruppe | . . . . . Purines, e.g. adenine [2, 7]                                                                                                        |
| A61K 31/522  | 7-Punkt Untergruppe | . . . . . having oxo groups directly attached to the heterocyclic ring, e.g. hypoxanthine, guanine, acyclovir [7]                             |
| A61K 31/525  | 6-Punkt Untergruppe | . . . . . Isoalloxazines, e.g. riboflavins, vitamin B <sub>2</sub> [2]                                                                        |
| A61K 31/527  | 5-Punkt Untergruppe | . . . . . spiro-condensed [7]                                                                                                                 |
| A61K 31/529  | 5-Punkt Untergruppe | . . . . . forming part of bridged ring systems [7]                                                                                            |
| A61K 31/53   | 3-Punkt Untergruppe | . . . having six-membered rings with three nitrogens as the only ring hetero atoms, e.g. chlorazaniil, melamine (melarsoprol A61K 31/555) [2] |
| A61K 31/535  | 3-Punkt Untergruppe | . . . having six-membered rings with at least one nitrogen and at least one oxygen as the ring hetero atoms, e.g. 1,2-oxazines [2]            |
| A61K 31/5355 | 4-Punkt Untergruppe | . . . . Non-condensed oxazines containing further heterocyclic rings [7]                                                                      |
| A61K 31/536  | 4-Punkt Untergruppe | . . . . ortho- or peri-condensed with carbocyclic ring systems [7]                                                                            |
| A61K 31/5365 | 4-Punkt Untergruppe | . . . . ortho- or peri-condensed with heterocyclic ring systems [7]                                                                           |

| Symbol       | Typ                 | Titel                                                                                                                                                                                                              |
|--------------|---------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/537  | 4-Punkt Untergruppe | . . . . . spiro-condensed or forming part of bridged ring systems [7]                                                                                                                                              |
| A61K 31/5375 | 4-Punkt Untergruppe | . . . . . 1,4-Oxazines, e.g. morpholine [7]                                                                                                                                                                        |
| A61K 31/5377 | 5-Punkt Untergruppe | . . . . . not condensed and containing further heterocyclic rings, e.g. timolol [7]                                                                                                                                |
| A61K 31/538  | 5-Punkt Untergruppe | . . . . . ortho- or peri-condensed with carbocyclic ring systems [7]                                                                                                                                               |
| A61K 31/5383 | 5-Punkt Untergruppe | . . . . . ortho- or peri-condensed with heterocyclic ring systems [7]                                                                                                                                              |
| A61K 31/5386 | 5-Punkt Untergruppe | . . . . . spiro-condensed or forming part of bridged ring systems [7]                                                                                                                                              |
| A61K 31/539  | 4-Punkt Untergruppe | . . . . . having two or more oxygen atoms in the same ring, e.g. dioxazines [7]                                                                                                                                    |
| A61K 31/5395 | 4-Punkt Untergruppe | . . . . . having two or more nitrogen atoms in the same ring, e.g. oxadiazines [7]                                                                                                                                 |
| A61K 31/54   | 3-Punkt Untergruppe | . . . having six-membered rings with at least one nitrogen and at least one sulfur as the ring hetero atoms, e.g. sulthiame [2]                                                                                    |
| A61K 31/541  | 4-Punkt Untergruppe | . . . . . Non-condensed thiazines containing further heterocyclic rings [7]                                                                                                                                        |
| A61K 31/5415 | 4-Punkt Untergruppe | . . . . . ortho- or peri-condensed with carbocyclic ring systems, e.g. phenothiazine, chlorpromazine, piroxicam [7]                                                                                                |
| A61K 31/542  | 4-Punkt Untergruppe | . . . . . ortho- or peri-condensed with heterocyclic ring systems [7]                                                                                                                                              |
| A61K 31/545  | 5-Punkt Untergruppe | . . . . . Compounds containing 5-thia-1-azabicyclo [4.2.0] octane ring systems, i.e. compounds containing a ring system of the formula [Bild nicht vorhanden.] , e.g. cephalosporins, cefaclor, cephalexine [2, 6] |
| A61K 31/546  | 6-Punkt Untergruppe | . . . . . containing further heterocyclic rings, e.g. cephalothin [7]                                                                                                                                              |
| A61K 31/547  | 4-Punkt Untergruppe | . . . . . spiro-condensed or forming part of bridged ring systems [7]                                                                                                                                              |
| A61K 31/548  | 4-Punkt Untergruppe | . . . . . having two or more sulfur atoms in the same ring [7]                                                                                                                                                     |
| A61K 31/549  | 4-Punkt Untergruppe | . . . . . having two or more nitrogen atoms in the same ring, e.g. hydrochlorothiazide [7]                                                                                                                         |
| A61K 31/55   | 3-Punkt Untergruppe | . . . having seven-membered rings, e.g. azelastine, pentylenetetrazole [2]                                                                                                                                         |
| A61K 31/551  | 4-Punkt Untergruppe | . . . . . having two nitrogens as ring hetero atoms, e.g. clozapine, dilazep [7]                                                                                                                                   |
| A61K 31/5513 | 5-Punkt Untergruppe | . . . . . 1,4-Benzodiazepines, e.g. diazepam [7]                                                                                                                                                                   |
| A61K 31/5517 | 6-Punkt Untergruppe | . . . . . condensed with five-membered rings having nitrogen as a ring hetero atom, e.g. imidazobenzodiazepines, triazolam [7]                                                                                     |
| A61K 31/553  | 4-Punkt Untergruppe | . . . . . having at least one nitrogen and at least one oxygen as ring hetero atoms, e.g. loxapine, staurosporine [7]                                                                                              |
| A61K 31/554  | 4-Punkt Untergruppe | . . . . . having at least one nitrogen and at least one sulfur as ring hetero atoms, e.g. clothiapine, diltiazem [7]                                                                                               |
| A61K 31/555  | 2-Punkt Untergruppe | . . containing heavy metals, e.g. hemin, hematin, melarsoprol [2]                                                                                                                                                  |
| A61K 31/557  | 1-Punkt Untergruppe | . Eicosanoids, e.g. leukotrienes [3, 7]                                                                                                                                                                            |
| A61K 31/5575 | 2-Punkt Untergruppe | . . having a cyclopentane ring, e.g. prostaglandin E_2_, prostaglandin F_2-alpha_ [7]                                                                                                                              |
| A61K 31/5578 | 2-Punkt Untergruppe | . . having a pentalene ring system, e.g. carbacyclin, iloprost [7]                                                                                                                                                 |
| A61K 31/558  | 2-Punkt Untergruppe | . . having heterocyclic rings containing oxygen as the only ring hetero atom, e.g. thromboxanes [7]                                                                                                                |
| A61K 31/5585 | 3-Punkt Untergruppe | . . . having five-membered rings containing oxygen as the only ring hetero atom, e.g. prostacyclin [7]                                                                                                             |

| Symbol       | Typ                 | Titel                                                                                                                               |
|--------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| A61K 31/559  | 2-Punkt Untergruppe | . . . having heterocyclic rings containing hetero atoms other than oxygen [7]                                                       |
| A61K 31/56   | 1-Punkt Untergruppe | . . Compounds containing cyclopenta[a]hydrophenanthrene ring systems ; Derivatives thereof, e.g. steroids [4, 7]                    |
| A61K 31/565  | 2-Punkt Untergruppe | . . . not substituted in position 17 beta by a carbon atom, e.g. oestrane, oestradiol [2]                                           |
| A61K 31/566  | 3-Punkt Untergruppe | . . . . having an oxo group in position 17, e.g. oestrone [7]                                                                       |
| A61K 31/567  | 3-Punkt Untergruppe | . . . . substituted in position 17 alpha, e.g. mestranol, norethandrolone [7]                                                       |
| A61K 31/568  | 3-Punkt Untergruppe | . . . . substituted in positions 10 and 13 by a chain having at least one carbon atom, e.g. androstane, testosterone [7]            |
| A61K 31/5685 | 4-Punkt Untergruppe | . . . . . having an oxo group in position 17, e.g. androsterone [7]                                                                 |
| A61K 31/569  | 4-Punkt Untergruppe | . . . . . substituted in position 17 alpha, e.g. ethisterone [7]                                                                    |
| A61K 31/57   | 2-Punkt Untergruppe | . . substituted in position 17 beta by a chain of two carbon atoms, e.g. pregnane, progesterone [2]                                 |
| A61K 31/573  | 3-Punkt Untergruppe | . . . . substituted in position 21, e.g. cortisone, dexamethasone, prednisone [7]                                                   |
| A61K 31/575  | 2-Punkt Untergruppe | . . substituted in position 17 beta by a chain of three or more carbon atoms, e.g. cholane, cholestane, ergosterol, sitosterol [2]  |
| A61K 31/58   | 2-Punkt Untergruppe | . . containing heterocyclic rings, e.g. aldosterone, danazol, stanozolol, pancuronium, digitogenin ( digitoxin A61K 31/704 ) [2, 7] |
| A61K 31/585  | 3-Punkt Untergruppe | . . . containing lactone rings, e.g. oxandrolone, bufalin [2]                                                                       |
| A61K 31/59   | 1-Punkt Untergruppe | . Compounds containing 9,10-seco-cyclopenta[a]hydro- phenanthrene ring systems [2]                                                  |
| A61K 31/592  | 2-Punkt Untergruppe | . . 9,10-Secoergostane derivatives, e.g. ergocalciferol, vitamin D <sub>2</sub> [7]                                                 |
| A61K 31/593  | 2-Punkt Untergruppe | . . 9,10-Secocholestane derivatives, e.g. cholecalciferol, vitamin D <sub>3</sub> [7]                                               |
| A61K 31/595  | Gelöscht            | (covered by A61K 31/59)                                                                                                             |
| A61K 31/60   | 1-Punkt Untergruppe | . Salicylic acid; Derivatives thereof [2]                                                                                           |
| A61K 31/603  | 2-Punkt Untergruppe | . . having further aromatic rings, e.g. diflunisal [7]                                                                              |
| A61K 31/605  | Gelöscht            | (transferred to A61K 31/60; to ; A61K 31/621)                                                                                       |
| A61K 31/606  | 2-Punkt Untergruppe | . . having amino groups [7]                                                                                                         |
| A61K 31/609  | 2-Punkt Untergruppe | . . Amides, e.g. salicylamide [7]                                                                                                   |
| A61K 31/61   | Gelöscht            | (transferred to A61K 31/60; to ; A61K 31/621)                                                                                       |
| A61K 31/612  | 2-Punkt Untergruppe | . . having the hydroxy group in position 2 esterified, e.g. salicylsulfuric acid ( fosfosal A61K 31/661 ) [7]                       |
| A61K 31/615  | Gelöscht            | (transferred to A61K 31/60; to ; A61K 31/621)                                                                                       |
| A61K 31/616  | 3-Punkt Untergruppe | . . . by carboxylic acids, e.g. acetylsalicylic acid [7]                                                                            |
| A61K 31/618  | 2-Punkt Untergruppe | . . having the carboxyl group in position 1 esterified, e.g. salsalate [7]                                                          |
| A61K 31/62   | Gelöscht            | (transferred to A61K 31/60; to ; A61K 31/621)                                                                                       |
| A61K 31/621  | 3-Punkt Untergruppe | . . . having the hydroxy group in position 2 esterified, e.g. benorylate [7]                                                        |
| A61K 31/625  | 2-Punkt Untergruppe | . . having heterocyclic substituents, e.g. 4-salicyloylmorpholine ( sulfasalazine A61K 31/635 ) [2, 7]                              |
| A61K 31/63   | 1-Punkt Untergruppe | . Compounds containing para-N-benzene- sulfonyl-N-groups, e.g. sulfanilamide, p-nitrobenzenesulfonohydrazide [2]                    |

| Symbol       | Typ                 | Titel                                                                                                                                                                                                                                               |
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| A61K 31/635  | 2-Punkt Untergruppe | . . having a heterocyclic ring, e.g. sulfasalazine [2]                                                                                                                                                                                              |
| A61K 31/64   | 1-Punkt Untergruppe | . Sulfonylureas, e.g. glibenclamide, tolbutamide, chlorpropamide [2]                                                                                                                                                                                |
| A61K 31/645  | Gelöscht            | (covered by A61K 31/00)                                                                                                                                                                                                                             |
| A61K 31/65   | 1-Punkt Untergruppe | . Tetracyclines [2]                                                                                                                                                                                                                                 |
| A61K 31/655  | 1-Punkt Untergruppe | . Azo (-N=N-), diazo (=N_2_), azoxy (> N-O-N < or N(=O)-N <); azido (-N_3_) or diazoamino (-N=N-N < ) compounds [2]                                                                                                                                 |
| A61K 31/66   | 1-Punkt Untergruppe | . Phosphorus compounds [2]                                                                                                                                                                                                                          |
| A61K 31/661  | 2-Punkt Untergruppe | . . Phosphorus acids or esters thereof not having P-C bonds, e.g. fosfosal, dichlorvos, malathion [7]                                                                                                                                               |
| A61K 31/6615 | 3-Punkt Untergruppe | . . . Compounds having two or more esterified phosphorus acid groups, e.g. inositol triphosphate, phytic acid [7]                                                                                                                                   |
| A61K 31/662  | 2-Punkt Untergruppe | . . Phosphorus acids or esters thereof having P-C bonds, e.g. foscarnet, trichlorfon [7]                                                                                                                                                            |
| A61K 31/663  | 3-Punkt Untergruppe | . . . Compounds having two or more phosphorus acid groups or esters thereof, e.g. clodronic acid, pamidronic acid [7]                                                                                                                               |
| A61K 31/664  | 2-Punkt Untergruppe | . . Amides of phosphorus acids [7]                                                                                                                                                                                                                  |
| A61K 31/665  | 2-Punkt Untergruppe | . . having oxygen as a ring hetero atom, e.g. fosfomycin [2]                                                                                                                                                                                        |
| A61K 31/67   | 2-Punkt Untergruppe | . . having sulfur as a ring hetero atom [2]                                                                                                                                                                                                         |
| A61K 31/675  | 2-Punkt Untergruppe | . . having nitrogen as a ring hetero atom, e.g. pyridoxal phosphate [2]                                                                                                                                                                             |
| A61K 31/68   | Gelöscht            | (transferred to A61K 31/714)                                                                                                                                                                                                                        |
| A61K 31/683  | 2-Punkt Untergruppe | . . Diesters of a phosphorus acid with two hydroxy compounds, e.g. phosphatidylinositols [7]                                                                                                                                                        |
| A61K 31/685  | 3-Punkt Untergruppe | . . . one of the hydroxy compounds having nitrogen atoms, e.g. phosphatidylserine, lecithin [2, 7]                                                                                                                                                  |
| A61K 31/688  | 3-Punkt Untergruppe | . . . both hydroxy compounds having nitrogen atoms, e.g. sphingomyelins [7]                                                                                                                                                                         |
| A61K 31/69   | 1-Punkt Untergruppe | . Boron compounds [2]                                                                                                                                                                                                                               |
| A61K 31/695  | 1-Punkt Untergruppe | . Silicon compounds [2]                                                                                                                                                                                                                             |
| A61K 31/70   | 1-Punkt Untergruppe | . Carbohydrates; Sugars; Derivatives thereof (sorbitol A61K 31/047) [2, 7]                                                                                                                                                                          |
| A61K 31/7004 | 2-Punkt Untergruppe | . . Monosaccharides having only carbon, hydrogen and oxygen atoms [7]                                                                                                                                                                               |
| A61K 31/7008 | 2-Punkt Untergruppe | . . Compounds having an amino group directly attached to a carbon atom of the saccharide radical, e.g. D-galactosamine, ranimustine [7]                                                                                                             |
| A61K 31/7012 | 2-Punkt Untergruppe | . . Compounds having a free or esterified carboxyl group attached, directly or through a carbon chain, to a carbon atom of the saccharide radical, e.g. glucuronic acid, neuraminic acid (gluconic acid A61K 31/191; ascorbic acid A61K 31/375) [7] |
| A61K 31/7016 | 2-Punkt Untergruppe | . . Disaccharides, e.g. lactose, lactulose (lactobionic acid A61K 31/7032) [7]                                                                                                                                                                      |
| A61K 31/702  | 2-Punkt Untergruppe | . . Oligosaccharides, i.e. having three to five saccharide radicals attached to each other by glycosidic linkages [7]                                                                                                                               |
| A61K 31/7024 | 2-Punkt Untergruppe | . . Esters of saccharides [7]                                                                                                                                                                                                                       |
| A61K 31/7028 | 2-Punkt Untergruppe | . . Compounds having saccharide radicals attached to non-saccharide compounds by glycosidic linkages [7]                                                                                                                                            |

| Symbol       | Typ                 | Titel                                                                                                                                                                                                                                 |
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| A61K 31/7032 | 3-Punkt Untergruppe | ... attached to a polyol, i.e. compounds having two or more free or esterified hydroxy groups, including the hydroxy group involved in the glycosidic linkage, e.g. monoglucosyl-diacylglycerides, lactobionic acid, gangliosides [7] |
| A61K 31/7034 | 3-Punkt Untergruppe | ... attached to a carbocyclic compound, e.g. phloridzin [7]                                                                                                                                                                           |
| A61K 31/7036 | 4-Punkt Untergruppe | ... having at least one amino group directly attached to the carbocyclic ring, e.g. streptomycin, gentamycin, amikacin, validamycin, fortimicins [7]                                                                                  |
| A61K 31/704  | 4-Punkt Untergruppe | ... attached to a condensed carbocyclic ring system, e.g. sennosides, thiocolchicosides, escin, daunorubicin, digitoxin [7]                                                                                                           |
| A61K 31/7042 | 2-Punkt Untergruppe | .. Compounds having saccharide radicals and heterocyclic rings [7]                                                                                                                                                                    |
| A61K 31/7048 | 3-Punkt Untergruppe | ... having oxygen as a ring hetero atom, e.g. leucoglucosan, hesperidin, erythromycin, nystatin [7]                                                                                                                                   |
| A61K 31/705  | Gelöscht            | (transferred to A61K 31/704)                                                                                                                                                                                                          |
| A61K 31/7052 | 3-Punkt Untergruppe | ... having nitrogen as a ring hetero atom, e.g. nucleosides, nucleotides [7]                                                                                                                                                          |
| A61K 31/7056 | 4-Punkt Untergruppe | ... containing five-membered rings with nitrogen as a ring hetero atom [7]                                                                                                                                                            |
| A61K 31/706  | 4-Punkt Untergruppe | ... containing six-membered rings with nitrogen as a ring hetero atom [7]                                                                                                                                                             |
| A61K 31/7064 | 5-Punkt Untergruppe | ... containing condensed or non-condensed pyrimidines [7]                                                                                                                                                                             |
| A61K 31/7068 | 6-Punkt Untergruppe | ... having oxo groups directly attached to the pyrimidine ring, e.g. cytidine, cytidylic acid [7]                                                                                                                                     |
| A61K 31/7072 | 7-Punkt Untergruppe | ... having two oxo groups directly attached to the pyrimidine ring, e.g. uridine, uridylic acid, thymidine, zidovudine [7]                                                                                                            |
| A61K 31/7076 | 6-Punkt Untergruppe | ... containing purines, e.g. adenosine, adenylic acid [7]                                                                                                                                                                             |
| A61K 31/708  | 7-Punkt Untergruppe | ... having oxo groups directly attached to the purine ring system, e.g. guanosine, guanylic acid [7]                                                                                                                                  |
| A61K 31/7084 | 2-Punkt Untergruppe | .. Compounds having two nucleosides or nucleotides, e.g. nicotinamide-adenine dinucleotide, flavine-adenine dinucleotide [7]                                                                                                          |
| A61K 31/7088 | 2-Punkt Untergruppe | .. Compounds having three or more nucleosides or nucleotides [7]                                                                                                                                                                      |
| A61K 31/71   | Gelöscht            | (transferred to A61K 31/70; to ; A61K 31/714)                                                                                                                                                                                         |
| A61K 31/7105 | 3-Punkt Untergruppe | ... Natural ribonucleic acids, i.e. containing only riboses attached to adenine, guanine, cytosine or uracil and having 3'-5' phosphodiester links [7]                                                                                |
| A61K 31/711  | 3-Punkt Untergruppe | ... Natural deoxyribonucleic acids, i.e. containing only 2'-deoxyriboses attached to adenine, guanine, cytosine or thymine and having 3'-5' phosphodiester links [7]                                                                  |
| A61K 31/7115 | 3-Punkt Untergruppe | ... Nucleic acids or oligonucleotides having modified bases, i.e. other than adenine, guanine, cytosine, uracil or thymine [7]                                                                                                        |
| A61K 31/712  | 3-Punkt Untergruppe | ... Nucleic acids or oligonucleotides having modified sugars, i.e. other than ribose or 2'-deoxyribose [7]                                                                                                                            |
| A61K 31/7125 | 3-Punkt Untergruppe | ... Nucleic acids or oligonucleotides having modified internucleoside linkage, i.e. other than 3'-5' phosphodiester [7]                                                                                                               |
| A61K 31/713  | 3-Punkt Untergruppe | ... Double-stranded nucleic acids or oligonucleotides [7]                                                                                                                                                                             |
| A61K 31/7135 | 2-Punkt Untergruppe | .. Compounds containing heavy metals [7]                                                                                                                                                                                              |
| A61K 31/714  | 3-Punkt Untergruppe | ... Cobalamins, e.g. cyanocobalamin, vitamin B <sub>12</sub> [7]                                                                                                                                                                      |
| A61K 31/715  | 2-Punkt Untergruppe | .. Polysaccharides, i.e. having more than five saccharide radicals attached to each other by glycosidic linkages; Derivatives thereof, e.g. ethers, esters [2]                                                                        |



| Symbol      | Typ                 | Titel                                                                                                           |
|-------------|---------------------|-----------------------------------------------------------------------------------------------------------------|
| A61K 31/716 | 3-Punkt Untergruppe | . . . Glucans [7]                                                                                               |
| A61K 31/717 | 4-Punkt Untergruppe | . . . . Celluloses [7]                                                                                          |
| A61K 31/718 | 4-Punkt Untergruppe | . . . . Starch or degraded starch, e.g. amylose, amylopectin [7]                                                |
| A61K 31/719 | 4-Punkt Untergruppe | . . . . Pullulans [7]                                                                                           |
| A61K 31/72  | Gelöscht            | (covered by A61K 31/715)                                                                                        |
| A61K 31/721 | 4-Punkt Untergruppe | . . . . Dextrans [7]                                                                                            |
| A61K 31/722 | 4-Punkt Untergruppe | . . . . Chitin; Chitosan [7]                                                                                    |
| A61K 31/723 | 4-Punkt Untergruppe | . . . . Xanthans [7]                                                                                            |
| A61K 31/724 | 4-Punkt Untergruppe | . . . . Cyclodextrins [7]                                                                                       |
| A61K 31/725 | Gelöscht            | (covered by A61K 31/715)                                                                                        |
| A61K 31/726 | 3-Punkt Untergruppe | . . . Glycosaminoglycans, i.e. mucopolysaccharides ( chondroitin sulfate, dermatan sulfate A61K 31/737 ) [7]    |
| A61K 31/727 | 4-Punkt Untergruppe | . . . . Heparin; Heparan [7]                                                                                    |
| A61K 31/728 | 4-Punkt Untergruppe | . . . . Hyaluronic acid [7]                                                                                     |
| A61K 31/729 | 3-Punkt Untergruppe | . . . Agar; Agarose; Agaropectin [7]                                                                            |
| A61K 31/73  | Gelöscht            | (covered by A61K 31/715)                                                                                        |
| A61K 31/731 | 3-Punkt Untergruppe | . . . Carrageenans [7]                                                                                          |
| A61K 31/732 | 3-Punkt Untergruppe | . . . Pectin [7]                                                                                                |
| A61K 31/733 | 3-Punkt Untergruppe | . . . Fructosans, e.g. inulin [7]                                                                               |
| A61K 31/734 | 3-Punkt Untergruppe | . . . Alginic acid [7]                                                                                          |
| A61K 31/735 | Gelöscht            | (covered by A61K 31/715)                                                                                        |
| A61K 31/736 | 3-Punkt Untergruppe | . . . Glucomannans or galactomannans, e.g locust bean gum, guar gum [7]                                         |
| A61K 31/737 | 3-Punkt Untergruppe | . . . Sulfated polysaccharides, e.g. chondroitin sulfate, dermatan sulfate ( A61K 31/727 takes precedence ) [7] |
| A61K 31/738 | 3-Punkt Untergruppe | . . . Cross-linked polysaccharides [7]                                                                          |
| A61K 31/739 | 3-Punkt Untergruppe | . . . Lipopolysaccharides [7]                                                                                   |
| A61K 31/74  | 1-Punkt Untergruppe | . Synthetic polymeric materials [2]                                                                             |
| A61K 31/745 | 2-Punkt Untergruppe | . . Polymers of hydrocarbons [2]                                                                                |
| A61K 31/75  | 3-Punkt Untergruppe | . . . of ethene [2]                                                                                             |
| A61K 31/755 | 2-Punkt Untergruppe | . . Polymers containing halogen [2]                                                                             |
| A61K 31/76  | 3-Punkt Untergruppe | . . . of vinyl chloride [2]                                                                                     |
| A61K 31/765 | 2-Punkt Untergruppe | . . Polymers containing oxygen [2]                                                                              |
| A61K 31/77  | 3-Punkt Untergruppe | . . . of oxiranes [2]                                                                                           |
| A61K 31/775 | 3-Punkt Untergruppe | . . . Phenolic resins [2]                                                                                       |

| Symbol             | Typ                        | Titel                                                                                                             |
|--------------------|----------------------------|-------------------------------------------------------------------------------------------------------------------|
| A61K 31/78         | 3-Punkt Untergruppe        | . . . of acrylic acid or derivatives thereof [2]                                                                  |
| A61K 31/785        | 2-Punkt Untergruppe        | . . Polymers containing nitrogen [2]                                                                              |
| <i>A61K 31/787</i> | <i>3-Punkt Untergruppe</i> | <i>. . . containing heterocyclic rings having nitrogen as a ring hetero atom [7]</i>                              |
| A61K 31/79         | 4-Punkt Untergruppe        | . . . . Polymers of vinyl pyrrolidone [2]                                                                         |
| A61K 31/795        | 2-Punkt Untergruppe        | . . Polymers containing sulfur [2]                                                                                |
| A61K 31/80         | 2-Punkt Untergruppe        | . . Polymers containing hetero atoms not provided for in groups A61K 31/755 to A61K 31/795 [2]                    |
| <b>A61K 33/00</b>  | <b>Hauptgruppe</b>         | <b>Medicinal preparations containing inorganic active ingredients [2]</b>                                         |
| A61K 33/02         | 1-Punkt Untergruppe        | . Ammonia; Compounds thereof [2]                                                                                  |
| A61K 33/04         | 1-Punkt Untergruppe        | . Sulfur, selenium or tellurium; Compounds thereof [2]                                                            |
| A61K 33/06         | 1-Punkt Untergruppe        | . Aluminium, calcium or magnesium; Compounds thereof [2]                                                          |
| A61K 33/08         | 2-Punkt Untergruppe        | . . Oxides; Hydroxides [2]                                                                                        |
| A61K 33/10         | 2-Punkt Untergruppe        | . . Carbonates; Bicarbonates [2]                                                                                  |
| A61K 33/12         | 2-Punkt Untergruppe        | . . Magnesium silicate [2]                                                                                        |
| A61K 33/14         | 1-Punkt Untergruppe        | . Alkali metal chlorides; Alkaline earth metal chlorides [2]                                                      |
| A61K 33/16         | 1-Punkt Untergruppe        | . Fluorine compounds [2]                                                                                          |
| A61K 33/18         | 1-Punkt Untergruppe        | . Iodine; Compounds thereof [2]                                                                                   |
| A61K 33/20         | 1-Punkt Untergruppe        | . Elemental chlorine; Inorganic compounds releasing chlorine [2]                                                  |
| A61K 33/22         | 1-Punkt Untergruppe        | . Boron compounds [2]                                                                                             |
| A61K 33/24         | 1-Punkt Untergruppe        | . Heavy metals; Compounds thereof [2]                                                                             |
| A61K 33/26         | 2-Punkt Untergruppe        | . . Iron; Compounds thereof [2]                                                                                   |
| A61K 33/28         | 2-Punkt Untergruppe        | . . Mercury; Compounds thereof [2]                                                                                |
| A61K 33/30         | 2-Punkt Untergruppe        | . . Zinc; Compounds thereof [2]                                                                                   |
| A61K 33/32         | 2-Punkt Untergruppe        | . . Manganese; Compounds thereof [2]                                                                              |
| A61K 33/34         | 2-Punkt Untergruppe        | . . Copper; Compounds thereof [2]                                                                                 |
| A61K 33/36         | 2-Punkt Untergruppe        | . . Arsenic; Compounds thereof [2]                                                                                |
| A61K 33/38         | 2-Punkt Untergruppe        | . . Silver; Compounds thereof [2]                                                                                 |
| A61K 33/40         | 1-Punkt Untergruppe        | . Peroxides [2]                                                                                                   |
| A61K 33/42         | 1-Punkt Untergruppe        | . Phosphorus; Compounds thereof [2]                                                                               |
| A61K 33/44         | 1-Punkt Untergruppe        | . Elemental carbon, e.g. charcoal, carbon black [2]                                                               |
| <b>A61K 35/00</b>  | <b>Hauptgruppe</b>         | <b>Medicinal preparations containing material or reaction products thereof with undetermined constitution [2]</b> |
| A61K 35/02         | 1-Punkt Untergruppe        | . from inanimate materials [2]                                                                                    |
| A61K 35/04         | 2-Punkt Untergruppe        | . . Tars; Bitumens; Mineral oils; Ammonium bituminosulfonate, e.g. IchthyolR [2]                                  |

| Symbol      | Typ                 | Titel                                                                                |
|-------------|---------------------|--------------------------------------------------------------------------------------|
| A61K 35/06  | 3-Punkt Untergruppe | . . . Mineral oils [2]                                                               |
| A61K 35/08  | 2-Punkt Untergruppe | . . Mineral waters [2]                                                               |
| A61K 35/10  | 2-Punkt Untergruppe | . . Peat; Amber [2]                                                                  |
| A61K 35/12  | 1-Punkt Untergruppe | . Materials from mammals or birds [2]                                                |
| A61K 35/14  | 2-Punkt Untergruppe | . . Blood [2]                                                                        |
| A61K 35/16  | 3-Punkt Untergruppe | . . . Plasma; Serum [2]                                                              |
| A61K 35/18  | 3-Punkt Untergruppe | . . . Erythrocytes [2]                                                               |
| A61K 35/20  | 2-Punkt Untergruppe | . . Milk; Colostrum [2]                                                              |
| A61K 35/22  | 2-Punkt Untergruppe | . . Urine; Urinary system [2]                                                        |
| A61K 35/23  | 3-Punkt Untergruppe | . . . Kidney [3]                                                                     |
| A61K 35/24  | 2-Punkt Untergruppe | . . Mucus; Mucous glands; Bursa; Arthral fluid; Excreta; Spinal fluid [2]            |
| A61K 35/26  | 2-Punkt Untergruppe | . . Lymph; Lymph-glands; Thymus [2]                                                  |
| A61K 35/28  | 2-Punkt Untergruppe | . . Marrow; Spleen [2]                                                               |
| A61K 35/30  | 2-Punkt Untergruppe | . . Nerves; Brain [2]                                                                |
| A61K 35/32  | 2-Punkt Untergruppe | . . Bones; Tendons; Teeth; Cartilage (marrow A61K 35/28) [2]                         |
| A61K 35/34  | 2-Punkt Untergruppe | . . Muscles; Heart [2]                                                               |
| A61K 35/36  | 2-Punkt Untergruppe | . . Skin; Hair; Nails; Sebaceous glands; Cerumen [4]                                 |
| A61K 35/37  | 2-Punkt Untergruppe | . . Digestive system [3]                                                             |
| A61K 35/38  | 3-Punkt Untergruppe | . . . Stomach; Intestine [3]                                                         |
| A61K 35/39  | 3-Punkt Untergruppe | . . . Pancreas [3]                                                                   |
| A61K 35/407 | 3-Punkt Untergruppe | . . . Liver [3]                                                                      |
| A61K 35/413 | 3-Punkt Untergruppe | . . . Bile [3]                                                                       |
| A61K 35/42  | 2-Punkt Untergruppe | . . Lungs [2]                                                                        |
| A61K 35/44  | 2-Punkt Untergruppe | . . Eyes; Vessels; Umbilical cord [2]                                                |
| A61K 35/48  | 2-Punkt Untergruppe | . . Reproductive organs; Embryos [2]                                                 |
| A61K 35/50  | 3-Punkt Untergruppe | . . . Placenta; Amniotic fluid [2]                                                   |
| A61K 35/52  | 3-Punkt Untergruppe | . . . Sperm [2]                                                                      |
| A61K 35/54  | 3-Punkt Untergruppe | . . . Ovary; Eggs; Embryos [2]                                                       |
| A61K 35/55  | 2-Punkt Untergruppe | . . Glands not provided for in one of the preceding subgroups of this main group [3] |
| A61K 35/56  | 1-Punkt Untergruppe | . Materials from animals other than mammals or birds [2]                             |
| A61K 35/58  | 2-Punkt Untergruppe | . . Snakes (antigens A61K 39/38) [2]                                                 |
| A61K 35/60  | 2-Punkt Untergruppe | . . Fish (vitamin A A61K 31/07; vitamin D A61K 31/59) [2]                            |

| Symbol            | Typ                 | Titel                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
|-------------------|---------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 35/62        | 2-Punkt Untergruppe | . . Leeches [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| A61K 35/64        | 2-Punkt Untergruppe | . . Insects, e.g. royal jelly [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                   |
| A61K 35/66        | 1-Punkt Untergruppe | . Materials from micro-organisms [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A61K 35/68        | 2-Punkt Untergruppe | . . Protozoa [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| A61K 35/70        | 2-Punkt Untergruppe | . . Lower fungi [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A61K 35/72        | 2-Punkt Untergruppe | . . Yeasts [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| A61K 35/74        | 2-Punkt Untergruppe | . . Bacteria [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |
| A61K 35/76        | 2-Punkt Untergruppe | . . Viruses [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| A61K 35/78        | 1-Punkt Untergruppe | . Materials from plants [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A61K 35/80        | 2-Punkt Untergruppe | . . Algae [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                       |
| A61K 35/82        | 2-Punkt Untergruppe | . . Lichens [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                     |
| A61K 35/84        | 2-Punkt Untergruppe | . . Higher fungi [2]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| <b>A61K 38/00</b> | <b>Hauptgruppe</b>  | <b>Medicinal preparations containing peptides (peptides containing beta-lactam rings A61K 31/00; cyclic dipeptides not having in their molecule any other peptide link than those which form their ring, e.g. piperazine-2,5-diones, A61K 31/00; ergoline-based peptides A61K 31/48; containing macromolecular compounds having statistically distributed amino acid units A61K 31/74; medicinal preparations containing antigens or antibodies A61K 39/00; medicinal preparations characterised by the non-active ingredients, e.g. peptides as drug carriers, A61K 47/00) [6]</b> |
| A61K 38/01        | 1-Punkt Untergruppe | . Hydrolysed proteins; Derivatives thereof [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      |
| A61K 38/02        | 1-Punkt Untergruppe | . Peptides of undefined number of amino acids; Derivatives thereof [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| A61K 38/03        | 1-Punkt Untergruppe | . Peptides having up to 20 amino acids in an undefined or only partially defined sequence; Derivatives thereof [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A61K 38/04        | 1-Punkt Untergruppe | . Peptides having up to 20 amino acids in a fully defined sequence; Derivatives thereof (gastrins A61K 38/16 , somatostatins A61K 38/31 , melanotropins A61K 38/34) [6]                                                                                                                                                                                                                                                                                                                                                                                                             |
| A61K 38/05        | 2-Punkt Untergruppe | . . Dipeptides [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |
| A61K 38/06        | 2-Punkt Untergruppe | . . Tripeptides [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A61K 38/07        | 2-Punkt Untergruppe | . . Tetrapeptides [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                               |
| A61K 38/08        | 2-Punkt Untergruppe | . . Peptides having 5 to 11 amino acids [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |
| A61K 38/09        | 3-Punkt Untergruppe | . . . Luteinising hormone-releasing hormone (LHRH); Related peptides [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                            |
| A61K 38/10        | 2-Punkt Untergruppe | . . Peptides having 12 to 20 amino acids [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |
| A61K 38/11        | 3-Punkt Untergruppe | . . . Oxytocins; Vasopressins; Related peptides [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                 |
| A61K 38/12        | 2-Punkt Untergruppe | . . Cyclic peptides [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                             |
| A61K 38/13        | 3-Punkt Untergruppe | . . . Cyclosporins [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              |
| A61K 38/14        | 2-Punkt Untergruppe | . . Peptides containing saccharide radicals; Derivatives thereof [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                |
| A61K 38/15        | 2-Punkt Untergruppe | . . Depsipeptides; Derivatives thereof [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          |
| A61K 38/16        | 1-Punkt Untergruppe | . Peptides having more than 20 amino acids; Gastrins; Somatostatins; Melanotropins; Derivatives thereof [6]                                                                                                                                                                                                                                                                                                                                                                                                                                                                         |

| Symbol     | Typ                 | Titel                                                                                                                                          |
|------------|---------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 38/17 | 2-Punkt Untergruppe | . . from animals; from humans [6]                                                                                                              |
| A61K 38/18 | 3-Punkt Untergruppe | . . . Growth factors; Growth regulators [6]                                                                                                    |
| A61K 38/19 | 3-Punkt Untergruppe | . . . Cytokines; Lymphokines; Interferons [6]                                                                                                  |
| A61K 38/20 | 4-Punkt Untergruppe | . . . . Interleukins [6]                                                                                                                       |
| A61K 38/21 | 4-Punkt Untergruppe | . . . . Interferons [6]                                                                                                                        |
| A61K 38/22 | 3-Punkt Untergruppe | . . . Hormones (derived from pro-opiomelanocortin, pro-enkephalin or pro-dynorphin A61K 38/33 , e.g. corticotropin A61K 38/35) [6]             |
| A61K 38/23 | 4-Punkt Untergruppe | . . . . Calcitonins [6]                                                                                                                        |
| A61K 38/24 | 4-Punkt Untergruppe | . . . . Follicle-stimulating hormone (FSH); Chorionic gonadotropins, e.g. HCG; Luteinising hormone (LH); Thyroid-stimulating hormone (TSH) [6] |
| A61K 38/25 | 4-Punkt Untergruppe | . . . . Growth hormone-releasing factor (GH-RF) (Somatoliberin) [6]                                                                            |
| A61K 38/26 | 4-Punkt Untergruppe | . . . . Glucagons [6]                                                                                                                          |
| A61K 38/27 | 4-Punkt Untergruppe | . . . . Growth hormone (GH) (Somatotropin) [6]                                                                                                 |
| A61K 38/28 | 4-Punkt Untergruppe | . . . . Insulins [6]                                                                                                                           |
| A61K 38/29 | 4-Punkt Untergruppe | . . . . Parathyroid hormone (parathormone); Parathyroid hormone-related peptides [6]                                                           |
| A61K 38/30 | 4-Punkt Untergruppe | . . . . Insulin-like growth factors (Somatomedins), e.g. IGF-1, IGF-2 [6]                                                                      |
| A61K 38/31 | 4-Punkt Untergruppe | . . . . Somatostatins [6]                                                                                                                      |
| A61K 38/32 | 4-Punkt Untergruppe | . . . . Thymopoietins [6]                                                                                                                      |
| A61K 38/33 | 3-Punkt Untergruppe | . . . derived from pro-opiomelanocortin, pro-enkephalin or pro-dynorphin [6]                                                                   |
| A61K 38/34 | 4-Punkt Untergruppe | . . . . Melanocyte stimulating hormone (MSH), e.g. alpha- or beta-melanotropin [6]                                                             |
| A61K 38/35 | 4-Punkt Untergruppe | . . . . Corticotropin (ACTH) [6]                                                                                                               |
| A61K 38/36 | 3-Punkt Untergruppe | . . . Blood coagulation or fibrinolysis factors [6]                                                                                            |
| A61K 38/37 | 4-Punkt Untergruppe | . . . . Factors VIII [6]                                                                                                                       |
| A61K 38/38 | 3-Punkt Untergruppe | . . . Albumins [6]                                                                                                                             |
| A61K 38/39 | 3-Punkt Untergruppe | . . . Connective tissue peptides, e.g. collagen, elastin, laminin, fibronectin, vitronectin, cold insoluble globulin (CIG) [6]                 |
| A61K 38/40 | 3-Punkt Untergruppe | . . . Transferrins, e.g. lactoferrins, ovotransferrins [6]                                                                                     |
| A61K 38/41 | 2-Punkt Untergruppe | . . Porphyrin- or corrin-ring-containing peptides [6]                                                                                          |
| A61K 38/42 | 3-Punkt Untergruppe | . . . Haemoglobins; Myoglobins [6]                                                                                                             |
| A61K 38/43 | 2-Punkt Untergruppe | . . Enzymes; Proenzymes; Derivatives thereof [6]                                                                                               |
| A61K 38/44 | 3-Punkt Untergruppe | . . . Oxidoreductases (1) [6]                                                                                                                  |
| A61K 38/45 | 3-Punkt Untergruppe | . . . Transferases (2) [6]                                                                                                                     |
| A61K 38/46 | 3-Punkt Untergruppe | . . . Hydrolases (3) [6]                                                                                                                       |

| Symbol            | Typ                 | Titel                                                                                                                                        |
|-------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 38/47        | 4-Punkt Untergruppe | . . . . acting on glycosyl compounds (3.2), e.g. cellulases, lactases [6]                                                                    |
| A61K 38/48        | 4-Punkt Untergruppe | . . . . acting on peptide bonds (3.4) [6]                                                                                                    |
| A61K 38/49        | 5-Punkt Untergruppe | . . . . . Urokinase; Tissue plasminogen activator [6]                                                                                        |
| A61K 38/50        | 4-Punkt Untergruppe | . . . . acting on carbon-nitrogen bonds, other than peptide bonds (3.5), e.g. asparaginase [6]                                               |
| A61K 38/51        | 3-Punkt Untergruppe | . . . Lyases (4) [6]                                                                                                                         |
| A61K 38/52        | 3-Punkt Untergruppe | . . . Isomerases (5) [6]                                                                                                                     |
| A61K 38/53        | 3-Punkt Untergruppe | . . . Ligases (6) [6]                                                                                                                        |
| A61K 38/54        | 3-Punkt Untergruppe | . . . Mixtures of enzymes or proenzymes covered by more than a single one of groups A61K 38/44 to A61K 38/46 or A61K 38/51 to A61K 38/53 [6] |
| A61K 38/55        | 2-Punkt Untergruppe | . . Protease inhibitors [6]                                                                                                                  |
| A61K 38/56        | 3-Punkt Untergruppe | . . . from plants [6]                                                                                                                        |
| A61K 38/57        | 3-Punkt Untergruppe | . . . from animals; from humans [6]                                                                                                          |
| A61K 38/58        | 4-Punkt Untergruppe | . . . . from leeches, e.g. hirudin, eglin [6]                                                                                                |
| <b>A61K 39/00</b> | <b>Hauptgruppe</b>  | <b>Medicinal preparations containing antigens or antibodies (materials for immunoassay G01N 33/53 ) [2]</b>                                  |
| A61K 39/002       | 1-Punkt Untergruppe | . Protozoa antigens [3]                                                                                                                      |
| A61K 39/005       | 2-Punkt Untergruppe | . . Trypanosoma antigens [3]                                                                                                                 |
| A61K 39/008       | 2-Punkt Untergruppe | . . Leishmania antigens [3]                                                                                                                  |
| A61K 39/012       | 2-Punkt Untergruppe | . . Coccidia antigens [3]                                                                                                                    |
| A61K 39/015       | 2-Punkt Untergruppe | . . Hemosporidia antigens, e.g. Plasmodium antigens [3]                                                                                      |
| A61K 39/018       | 3-Punkt Untergruppe | . . . Babesia antigens, e.g. Theileria antigens [3]                                                                                          |
| A61K 39/02        | 1-Punkt Untergruppe | . Bacterial antigens [2]                                                                                                                     |
| A61K 39/04        | 2-Punkt Untergruppe | . . Mycobacterium, e.g. Mycobacterium tuberculosis [2, 3]                                                                                    |
| A61K 39/05        | 2-Punkt Untergruppe | . . Corynebacterium; Propionibacterium [3]                                                                                                   |
| A61K 39/07        | 2-Punkt Untergruppe | . . Bacillus [3]                                                                                                                             |
| A61K 39/08        | 2-Punkt Untergruppe | . . Clostridium, e.g. Clostridium tetani [2]                                                                                                 |
| A61K 39/085       | 2-Punkt Untergruppe | . . Staphylococcus [3]                                                                                                                       |
| A61K 39/09        | 2-Punkt Untergruppe | . . Streptococcus [3]                                                                                                                        |
| A61K 39/095       | 2-Punkt Untergruppe | . . Neisseria [3]                                                                                                                            |
| A61K 39/10        | 2-Punkt Untergruppe | . . Brucella; Bordetella, e.g. Bordetella pertussis [2, 3]                                                                                   |
| A61K 39/102       | 2-Punkt Untergruppe | . . Pasteurella; Haemophilus [3]                                                                                                             |
| A61K 39/104       | 2-Punkt Untergruppe | . . Pseudomonas [3]                                                                                                                          |
| A61K 39/106       | 2-Punkt Untergruppe | . . Vibrio; Campylobacter [3]                                                                                                                |

| Symbol      | Typ                 | Titel                                                                 |
|-------------|---------------------|-----------------------------------------------------------------------|
| A61K 39/108 | 2-Punkt Untergruppe | . . Escherichia; Klebsiella [3]                                       |
| A61K 39/112 | 2-Punkt Untergruppe | . . Salmonella; Shigella [3]                                          |
| A61K 39/114 | 2-Punkt Untergruppe | . . Fusobacterium [3]                                                 |
| A61K 39/116 | 2-Punkt Untergruppe | . . Polyvalent bacterial antigens [3]                                 |
| A61K 39/118 | 1-Punkt Untergruppe | . Chlamydiaceae, e.g. Chlamydia trachomatis or Chlamydia psittaci [3] |
| A61K 39/12  | 1-Punkt Untergruppe | . Viral antigens [2]                                                  |
| A61K 39/125 | 2-Punkt Untergruppe | . . Picornaviridae, e.g. calicivirus [3]                              |
| A61K 39/13  | 3-Punkt Untergruppe | . . . Poliovirus [3]                                                  |
| A61K 39/135 | 3-Punkt Untergruppe | . . . Foot-and-mouth disease virus [3]                                |
| A61K 39/145 | 2-Punkt Untergruppe | . . Orthomyxoviridae, e.g. influenza virus [3]                        |
| A61K 39/15  | 2-Punkt Untergruppe | . . Reoviridae, e.g. calf diarrhea virus [3]                          |
| A61K 39/155 | 2-Punkt Untergruppe | . . Paramyxoviridae, e.g. parainfluenza virus [3]                     |
| A61K 39/165 | 3-Punkt Untergruppe | . . . Mumps or measles virus [3]                                      |
| A61K 39/17  | 3-Punkt Untergruppe | . . . Newcastle disease virus [3]                                     |
| A61K 39/175 | 3-Punkt Untergruppe | . . . Canine distemper virus [3]                                      |
| A61K 39/187 | 2-Punkt Untergruppe | . . Hog cholera virus [3]                                             |
| A61K 39/193 | 2-Punkt Untergruppe | . . Equine encephalomyelitis virus [3]                                |
| A61K 39/20  | 2-Punkt Untergruppe | . . Rubella virus [2]                                                 |
| A61K 39/205 | 2-Punkt Untergruppe | . . Rhabdoviridae, e.g. rabies virus [3]                              |
| A61K 39/21  | 2-Punkt Untergruppe | . . Retroviridae, e.g. equine infectious anemia virus [3]             |
| A61K 39/215 | 2-Punkt Untergruppe | . . Coronaviridae, e.g. avian infectious bronchitis virus [3]         |
| A61K 39/225 | 3-Punkt Untergruppe | . . . Porcine transmissible gastroenteritis virus [3]                 |
| A61K 39/23  | 2-Punkt Untergruppe | . . Parvoviridae, e.g. feline panleukopenia virus [3]                 |
| A61K 39/235 | 2-Punkt Untergruppe | . . Adenoviridae [3]                                                  |
| A61K 39/245 | 2-Punkt Untergruppe | . . Herpetoviridae, e.g. herpes simplex virus [3]                     |
| A61K 39/25  | 3-Punkt Untergruppe | . . . Varicella-zoster virus [3]                                      |
| A61K 39/255 | 3-Punkt Untergruppe | . . . Marek's disease virus [3]                                       |
| A61K 39/265 | 3-Punkt Untergruppe | . . . Infectious rhinotracheitis virus [3]                            |
| A61K 39/27  | 3-Punkt Untergruppe | . . . Equine rhinopneumonitis virus [3]                               |
| A61K 39/275 | 2-Punkt Untergruppe | . . Poxviridae, e.g. avipoxvirus [3]                                  |
| A61K 39/285 | 3-Punkt Untergruppe | . . . Vaccinia virus or variola virus [3]                             |
| A61K 39/29  | 2-Punkt Untergruppe | . . Hepatitis virus [3]                                               |

| Symbol            | Typ                 | Titel                                                                                                                                                                |
|-------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 39/295       | 2-Punkt Untergruppe | . . Polyvalent viral antigens (vaccinia virus or variola virus A61K 39/285); Mixtures of viral and bacterial antigens [3]                                            |
| A61K 39/35        | 1-Punkt Untergruppe | . Allergens [3]                                                                                                                                                      |
| A61K 39/36        | 2-Punkt Untergruppe | . . from pollen [2, 3]                                                                                                                                               |
| A61K 39/38        | 1-Punkt Untergruppe | . Antigens from snakes [2]                                                                                                                                           |
| A61K 39/385       | 1-Punkt Untergruppe | . Haptens or antigens, bound to carriers [3]                                                                                                                         |
| A61K 39/39        | 1-Punkt Untergruppe | . characterised by the immunostimulating additives, e.g. chemical adjuvants [3]                                                                                      |
| A61K 39/395       | 1-Punkt Untergruppe | . Antibodies (agglutinins A61K 38/36); Immunoglobulins; Immune serum, e.g. antilymphocytic serum [3]                                                                 |
| A61K 39/40        | 2-Punkt Untergruppe | . . bacterial [2, 3]                                                                                                                                                 |
| A61K 39/42        | 2-Punkt Untergruppe | . . viral [2, 3]                                                                                                                                                     |
| A61K 39/44        | 2-Punkt Untergruppe | . . Antibodies bound to carriers [2, 3]                                                                                                                              |
| <b>A61K 41/00</b> | <b>Hauptgruppe</b>  | <b>Medicinal preparations obtained by treating materials with wave energy or particle radiation (A61K 31/59 takes precedence; electric discharge tubes H01J) [2]</b> |
| <b>A61K 45/00</b> | <b>Hauptgruppe</b>  | <b>Medicinal preparations containing active ingredients not provided for in groups A61K 31/00 to A61K 41/00 [2, 6]</b>                                               |
| A61K 45/05        | Gelöscht            | (covered by A61K 45/00)                                                                                                                                              |
| A61K 45/06        | 1-Punkt Untergruppe | . Mixtures of active ingredients without chemical characterisation, e.g. antiphlogistics and cardiaca [2]                                                            |
| A61K 45/08        | 1-Punkt Untergruppe | . Mixtures of an active ingredient and an auxiliary substance neither being chemically characterised, e.g. antihistaminicum and surface active substance [2]         |
| <b>A61K 47/00</b> | <b>Hauptgruppe</b>  | <b>Medicinal preparations characterised by the non-active ingredients used, e.g. carriers, inert additives [2]</b>                                                   |
| A61K 47/02        | 1-Punkt Untergruppe | . Inorganic compounds [5]                                                                                                                                            |
| A61K 47/04        | 2-Punkt Untergruppe | . . Non-metals; Compounds thereof [5]                                                                                                                                |
| A61K 47/06        | 1-Punkt Untergruppe | . Organic compounds [5]                                                                                                                                              |
| A61K 47/08        | 2-Punkt Untergruppe | . . containing oxygen [5]                                                                                                                                            |
| A61K 47/10        | 3-Punkt Untergruppe | . . . Alcohols; Phenols; Salts thereof [5]                                                                                                                           |
| A61K 47/12        | 3-Punkt Untergruppe | . . . Carboxylic acids; Salts or anhydrides thereof [5]                                                                                                              |
| A61K 47/14        | 3-Punkt Untergruppe | . . . Esters of carboxylic acids [5]                                                                                                                                 |
| A61K 47/16        | 2-Punkt Untergruppe | . . containing nitrogen [5]                                                                                                                                          |
| A61K 47/18        | 3-Punkt Untergruppe | . . . Amines; Quaternary ammonium compounds [5]                                                                                                                      |
| A61K 47/20        | 2-Punkt Untergruppe | . . containing sulfur [5]                                                                                                                                            |
| A61K 47/22        | 2-Punkt Untergruppe | . . Heterocyclic compounds [5]                                                                                                                                       |
| A61K 47/24        | 2-Punkt Untergruppe | . . containing atoms other than carbon, hydrogen, halogen, oxygen, nitrogen or sulfur [5]                                                                            |
| A61K 47/26        | 2-Punkt Untergruppe | . . Carbohydrates [5]                                                                                                                                                |
| A61K 47/28        | 2-Punkt Untergruppe | . . Steroids [5]                                                                                                                                                     |
| A61K 47/30        | 1-Punkt Untergruppe | . Macromolecular compounds [5]                                                                                                                                       |



| Symbol             | Typ                 | Titel                                                                                                                                                                            |
|--------------------|---------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| A61K 47/32         | 2-Punkt Untergruppe | . . Macromolecular compounds obtained by reactions only involving carbon-to-carbon unsaturated bonds [5]                                                                         |
| A61K 47/34         | 2-Punkt Untergruppe | . . Macromolecular compounds obtained otherwise than by reactions only involving carbon-to-carbon unsaturated bonds [5]                                                          |
| A61K 47/36         | 2-Punkt Untergruppe | . . Polysaccharides; Derivatives thereof [5]                                                                                                                                     |
| A61K 47/38         | 3-Punkt Untergruppe | . . . Cellulose; Derivatives thereof [5]                                                                                                                                         |
| A61K 47/40         | 3-Punkt Untergruppe | . . . Cyclodextrins; Derivatives thereof [5]                                                                                                                                     |
| A61K 47/42         | 2-Punkt Untergruppe | . . Proteins; Polypeptides; Degradation products thereof; Derivatives thereof [5]                                                                                                |
| A61K 47/44         | 1-Punkt Untergruppe | . Oils, fats or waxes according to more than one of groups A61K 47/02 to A61K 47/42 [5]                                                                                          |
| A61K 47/46         | 1-Punkt Untergruppe | . Ingredients of undetermined constitution or reaction products thereof [5]                                                                                                      |
| A61K 47/48         | 1-Punkt Untergruppe | . the non-active ingredient being chemically bound to the active ingredient, e.g. polymer drug conjugates [5]                                                                    |
| <b>A61K 48/00</b>  | <b>Hauptgruppe</b>  | <b>Medicinal preparations containing genetic material which is inserted into cells of the living body to treat genetic diseases; Gene therapy [5]</b>                            |
| <b>A61K 49/00</b>  | <b>Hauptgruppe</b>  | <b>Preparations for testing in vivo [3]</b>                                                                                                                                      |
| A61K 49/04         | 1-Punkt Untergruppe | . X-ray contrast preparations [3]                                                                                                                                                |
| A61K 49/06         | 1-Punkt Untergruppe | . Nuclear magnetic resonance (NMR) contrast preparations ; Magnetic resonance imaging (MRI) contrast preparations [7]                                                            |
| A61K 49/08         | 2-Punkt Untergruppe | . . characterised by the carrier [7]                                                                                                                                             |
| A61K 49/10         | 3-Punkt Untergruppe | . . . Organic compounds [7]                                                                                                                                                      |
| A61K 49/12         | 4-Punkt Untergruppe | . . . . Macromolecular compounds [7]                                                                                                                                             |
| A61K 49/14         | 4-Punkt Untergruppe | . . . . Peptides, e.g. proteins [7]                                                                                                                                              |
| A61K 49/16         | 5-Punkt Untergruppe | . . . . . Antibodies ; Immunoglobulins ; Fragments thereof [7]                                                                                                                   |
| A61K 49/18         | 2-Punkt Untergruppe | . . characterised by a special physical form, e.g. emulsions, microcapsules, liposomes [7]                                                                                       |
| A61K 49/20         | 2-Punkt Untergruppe | . . containing free radicals [7]                                                                                                                                                 |
| A61K 49/22         | 1-Punkt Untergruppe | . Echographic preparations ; Ultrasound imaging preparations [7]                                                                                                                 |
| <b>A61K 51/00</b>  | <b>Hauptgruppe</b>  | <b>Preparations containing radioactive substances for use in therapy or testing in vivo [6]</b>                                                                                  |
| A61K 51/02         | 1-Punkt Untergruppe | . characterised by the carrier [6]                                                                                                                                               |
| A61K 51/04         | 2-Punkt Untergruppe | . . Organic compounds [6]                                                                                                                                                        |
| A61K 51/06         | 3-Punkt Untergruppe | . . . Macromolecular compounds [6]                                                                                                                                               |
| A61K 51/08         | 3-Punkt Untergruppe | . . . Peptides, e.g. proteins [6]                                                                                                                                                |
| A61K 51/10         | 4-Punkt Untergruppe | . . . . Antibodies or immunoglobulins; Fragments thereof [6]                                                                                                                     |
| A61K 51/12         | 1-Punkt Untergruppe | . characterised by a special physical form, e.g. emulsion, microcapsules, liposomes [6]                                                                                          |
|                    |                     | <b><u>Indexing scheme associated with group A61K 51/00 , relating to the nature or the activity of the radioactive substance. The indexing codes should be unlinked. [6]</u></b> |
| <b>A61K 101/00</b> | <b>Hauptgruppe</b>  | <b>Radioactive non-metals [6]</b>                                                                                                                                                |
| A61K 101/02        | 1-Punkt Untergruppe | . Halogens [6]                                                                                                                                                                   |
| <b>A61K 103/00</b> | <b>Hauptgruppe</b>  | <b>Radioactive metals [6]</b>                                                                                                                                                    |

| Symbol             | Typ                 | Titel                                       |
|--------------------|---------------------|---------------------------------------------|
| A61K 103/10        | 1-Punkt Untergruppe | . Technetium; Rhenium [6]                   |
| A61K 103/20        | 1-Punkt Untergruppe | . Indium [6]                                |
| A61K 103/30        | 1-Punkt Untergruppe | . Rare earths [6]                           |
| A61K 103/32        | 2-Punkt Untergruppe | . . Yttrium [6]                             |
| A61K 103/34        | 2-Punkt Untergruppe | . . Gadolinium [6]                          |
| A61K 103/36        | 2-Punkt Untergruppe | . . Ytterbium [6]                           |
| A61K 103/40        | 1-Punkt Untergruppe | . Actinides [6]                             |
| <b>A61K 121/00</b> | <b>Hauptgruppe</b>  | <b>Preparations for use in therapy [6]</b>  |
| <b>A61K 123/00</b> | <b>Hauptgruppe</b>  | <b>Preparations for testing in vivo [6]</b> |