# Table S2

**Stems in 1% sample analysed semantically (stems,** *sub-stems***)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **INN** | **Actions and uses** | **freefix** | **prefix** | **infix** | **suffix** |
| acridorex | Anorexic agent [1] |  |  |  | **‑orex** |
| alverine | Relieves smooth muscle spasm in irritable bowel syndrome and dysmenorrhoea [2] |  |  |  | **‑verine** |
| amezepine | Antidepressant [1] |  |  | *‑ze‑* | **‑pine** |
| arterolane | Antimalarial; also known as RBx11160 [3] |  | **arte‑** |  |  |
| balaglitazone | Peroxisome proliferator‑activated receptor (PPAR) gamma partial agonist, and potential treatment for diabetics [4] | **gli** |  |  | *‑tazone* |
| benfosformin | Antihyperglycaemic agent [1] |  |  | *‑fos‑* | **‑formin** |
| cebaracetam | Amide-type nootropic agent [5] |  |  |  | **‑racetam** |
| cipamfylline | Phosphodiesterase (type IV) inhibitor. Selective inhibitor of tumour necrosis factor alfa production [1] |  |  |  | **‑fylline** |
| clemastine | Allergic rhinitis and dermatoses [2] |  |  |  | **‑astine** |
| conivaptan | Vasopressin receptor antagonist. Treatment of hyponatraemia [2] |  |  |  | **‑vaptan** |
| disofenin | Imaging agent of liver and kidneys [1] |  |  |  | **‑fenin** |
| doxaprost | Bronchodilator [1] | **prost** |  |  |  |
| enolicam | Cyclooxygenase and lipoxygenase inhibitor. Anti-inflammatory, antirheumatic, antiarthritic agent [1] |  |  |  | **‑icam** |
| fluperlapine | Antidepressant, neuroleptic agent. Never marketed [1] |  |  | *‑a‑* | **‑pine** |
| indanidine | Partial alpha1-adrenoceptor agonist, alpha2‑adrenoceptor antagonist; antihypertensive agent [1] |  |  |  | **‑nidine** |
| indoprofen | Analgesic. Nonsteroidal anti-inflammatory agent [1] |  |  |  | **‑profen** |
| inolimomab | Murine monoclonal antibody targeting interleukin-2 receptor-alpha chains [6] |  |  | *‑lim‑  ‑o‑* | **‑mab** |
| ioxilan | Radiographic contract medium for urography or angiography [2] |  | **io‑** |  |  |
| lagatide | Antidiarrhoeal [5] |  |  |  | **‑tide** |
| levopropylhexedrine | CNS stimulant; nasal decongestant; vasoconstrictor. Used as an anorectic in Germany. [1] |  |  |  | **‑drine** |
| meprylcaine | Local anaesthetic used in dentistry [7] |  |  |  | **‑caine** |
| micinicate | Vasodilator, spasmolytic agent [1] |  | **nico‑** |  | *‑nicate* |
| montelukast | Treatment and prophylaxis of asthma symptoms [2] |  |  | *‑luk‑* | **‑ast** |
| nedocromil | Management of mild to moderate bronchial asthma; allergic conjunctivitis [2] |  |  |  | **‑cromil** |
| nonabine | Cannabis analogue. Antiemetic agent [1] | **nab** |  |  |  |
| palonosetron | 5HT3 receptor antagonist. Antiemetic used in cancer chemotherapy [2] |  |  |  | **‑setron** |
| pelubiprofen | Analgesic. Non-steroidal anti-inflammatory drug [8] |  |  |  | **‑profen** |
| peplomycin | Antineoplastic antibiotic [1] |  |  |  | **‑mycin** |
| phenylephrine | Relief of nasal congestion associated with colds and hayfever [2] |  |  |  | **‑frine** |
| pibutidine | Histamine‑H2‑receptor antagonist [5] |  |  |  | **‑tidine** |
| pimelautide | Immunostimulant [1] |  |  |  | **‑tide** |
| pranazepide | Allergic conjunctivitis [2] |  |  |  | **‑azepide** |
| riodipine | Calcium channel blocker [5] |  |  |  | **‑dipine** |
| salazosulfadimidine | Antibacterial agent [1] |  | **sal‑  sulfa‑** | *‑azo‑* |  |
| setiptiline | Tetracyclic antidepressant [9] |  |  |  | **‑tiline** |
| siplizumab | Humanized monoclonal antibody targeting CD2 receptors on T cells and natural killer cells [10] |  |  | *‑li‑  ‑zu‑* | **‑mab** |
| sulfamerazine | Sulfonamide. Cream‑coloured powder, darkens on exposure to light [1] |  | **sulfa‑** |  |  |
| tilmacoxib | COX-2 inhibitor [11] |  |  |  | **‑coxib** |
| trifenagrel | Inhibitor of arachidonate and collagen-induced aggregation of platelets [12] | **grel** |  |  |  |
| ubenimex | Competitive protease inhibitor [13] | **imex** |  |  |  |
| ulipristal | Emergency contraception within 120 hours [2] |  |  | **‑pris‑** |  |
| valaciclovir | Treatment of herpes zoster and ophthalmic zoster [2] | **vir** |  | *‑ciclo‑* |  |
| volociximab | Chimeric monoclonal antibody targeting human α5β1 integrin [14] |  |  | *‑ci‑  ‑xi‑* | **‑mab** |

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