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Pre-stems: Suffixes used in the selection of INN November 2014*

Programme on International Nonproprietary Names (INN)

Technologies Standards and Norms (TSN)
Regulation of Medicines and other health technologies (RHT)

World Health Organization,
Geneva

**The prestems given have been flagged because they may be selected as official stems ("The use of stems in the selection of International Nonproprietary Names for Pharmaceutical Substances", 2013, WHO/EMP /RHT/TSN/2013.1). At present, they are made available for information and potential guidance to the applicants.*

stem	*definition*
-suffix	
-infix-	

In bold: new pre-stems selected during the last Consultation.
In bold, underlined: newly selected stems.

-algron	α_1-adrenoreceptor agonists
-ampator	α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor modulators
-apt-	aptamers, classical and mirror ones
-asvir	see *vir*
-axomab	see *mab*
-berel	estrogen receptor beta agonists
-brutinib	see *tinib*
-caftor	**cystic fibrosis transmembrane regulator (CFTR) protein modulators**
-calcet/-calcet-	calcium-sensing receptors (CaSR) agonists
-camra	intracellular adhesion molecule 1 (ICAM-1) derivatives
-casan	caspase converting enzyme inhibitors
-caserin	serotonin receptor agonists (mostly 5-HT_2)
-catib	cathepsin inhibitors
-citinib	see *-tinib*
-closporin	ciclosporin derivatives
-codar	see *dar*
-corat	glucocorticoid receptor agonists
-cridar	see *dar*

dar	*drugs used in multidrug resistance*
-cridar	acridinecarboxamide derivatives
-codar	pipecolinate derivatives
-spodar	ciclosporin D derivatives
-degib	SMO receptor antagonists
-depsin	depsipeptide derivatives
-dil	*vasodilators*
-sudil	**Rho protein kinase inhibitors**
-domide	antineoplastics, thalidomide derivatives
-dustat	see *stat*
-ectedin	ecteinascidin derivatives
-espib	heat shock protein (HSP) 90 inhibitors (other than *–mycin*), antineoplastics
-estrant	estrogen antagonists
-fadine	monoamine transport inhibitors
-farnib	farnesyl transferase inhibitors
-fenacin	**muscarinic receptor antagonists**
-fibatide	see *tide*
-fulven	antineoplastic, acylfulvene derivatives
-gacestat	see *-stat*
-ganan	antimicrobial, bactericidal permeability increasing polypeptides
-gepant	calcitonin gene-related peptide receptor antagonists
-gapil	neuronal apoptosis inhibitors, GAPDH
-imepodib	inosine monophosphate dehydrogenase inhibitors
-imod	immunomodulators, both stimulant/suppressive and stimulants
-tolimod	toll-like receptors (TLR) agonists

-isant	histamine H_3 receptor antagonists
-ixibat	ileal bile acid transporter (IBAT) reabsorption inhibitors
-kalner	openers of calcium-activated (maxi-K) K^+-channels
-laner	antagonists of GABA (gamma-aminobutyric acid)
-leptin(e)	leptin derivatives
mab	*monoclonal antibodies*
under species	
-axo-	rat-murine hybrid antibodies
under target	
-gr(o)-	**skeletal muscle mass related growth factors and receptors**
-metinib	see *tinib*
-moren	non-peptidic growth hormone secretagogues
-nepag	prostaglandins receptors agonists, non-prostanoids
-nesib	kinesin inhibitors
-neurin	neurotrophins
nil	*benzodiazepine receptor antagonists/agonists*
-punil	mitochondrial benzodiazepine receptor (MBR)- selective agonists also partial or inverse (purine derivatives)
-opran	μ-opioid receptors antagonists
-orexant	orexin receptor antagonists
-osuran	urotensin receptor antagonists
-otilate	hepatoprotectants, diisopropyl-1,3-dithiol-malonate derivatives
-parantag	**antagonists of heparin and/or low-molecular weight heparins (LMWH)**
-paxar	protease activated receptor type 1 (PAR1) antagonists
-plasinin	inhibitors of plasminogen activator inhibitors-type 1 (PAI-1)

-prazan	proton pump inhibitors, not dependent on acid activation
-prinim	nootropic agents, purine derivatives
-punil	see *nil*
-ritide	see *-tide*
-siban	oxytocin antagonists
-siran-	small interfering RNA
-spodar	see *dar*
-stat-/-stat	*enzymes inhibitors*
-dustat	**hypoxia inducible factor (HIF) prolyl hydroxylase inhibitors**
-gacestat	gamma-secretase inhibitors
-stinel	NMDA receptor antagonist/agonists, glycine recognition site
-sudil	see *dil*
-sulind	antineoplastics, sulindac metabolites
-tegravir	see *vir*
-texafin	texaphyrin derivatives
-tide	*peptides and glycopeptides*
-fibatide	platelet aggregation inhibitor (GPIIb/IIIa receptor antagonist)
-ritide	**natriuretic peptides**
-tinib	*tyrosine kinase inhibitors*
-brutinib	*agammaglobulinaemia tyrosine kinase (Bruton tyrosine*