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Pre-stems:*
Suffixes used in the selection of INN
October 2013

Programme on International Nonproprietary Names (INN)

Technologies Standards and Norms (TSN)

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 57th INN Consultation.
In bold and underlined: Pre-stems newly promoted to Stems status

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-algron	α_1-adrenoreceptor agonists
-ampator	amino-hydroxymethyl-isoxazole-propionic acid (AMPA) receptor modulators
-apt-	aptamers, classical and mirror ones
-ast	*antiasthmatics, antiallergics, not acting primarily as antihistaminics*
-tegr-	**integrin antagonists**
-asvir	see *vir*
-axomab	see *mab*
-berel	beta estrogen receptor agonists
-brutinib	see *tinib*
-calcet/-calcet-	Calcium-Sensing Receptors (CaSR) agonists
-camra	intracellular adhesion molecule, ICAM-1 derivatives
-casan	caspase (interleukin-1b) converting enzyme inhibitors
-caserin	serotonin receptor agonists (mostly 5-HT_2)
-catib	cathepsin inhibitors
-ciclib	**cyclin dependant kinase inhibitors**
-citinib	see *-tinib*
-closporin	ciclosporin derivatives
-codar	see *dar*
-corat	*glucocorticoid receptor agonists*
-cridar	see *dar*

dar	*drugs used in multidrug resistance*
-cri-	acridinecarboxamide derivatives
-co-	pipecolinate derivatives
-spo-	ciclosporin D derivatives
-degib	SMO receptor antagonists
-depsin	depsipeptide derivatives
-domide	antineoplastics, thalidomide derivatives
-dotin	synthetic derivatives of dolastatin series
-ectedin	ecteinascidin derivatives
-estrant	estrogen antagonists
-farnib	farnesyl transferase inhibitors
-fensine	norepinephrine, serotonin, dopamine reuptake inhibitors
-fibatide	see *tide*
-fulven	antineoplastic, acylfulven derivatives
-gacestat	see *-stat*
-ganan	antimicrobial, bactericidal permeability increasing polypeptides
-gepant	calcitonin gene-related peptide receptor antagonists
-glurant	metabotropic glutamate receptors antagonists / negative
-gapil	neuronal apoptosis inhibitors, GAPDH
-imepodib	inosine monophosphate dehydrogenase inhibitors
-isant	histamine H_3 receptor antagonists
-kalner	openers of calcium-activated (maxi-K) K^+-channels

-laner	**antagonists of GABA (gamma-aminobutyric acid) regulated chloride channels, antiparasitic agents**
-leptin(e)	leptin derivatives
mab	*monoclonal antibodies*
-axo-	rat-murine hybrid antibodies
-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
-patril/-patrilat	see *tril/trilat*
-paxar	protease activated receptor type 1 (PAR1) antagonists
-piprant	**prostaglandins receptors antagonists, non-prostanoids**
-plasinin	inhibitors of plasminogen activator inhibitors-type 1 (PAI-1)
-prazan	proton pump inhibitors, not depended on acid activation
-prinim	nootropic agents, purine derivatives
-punil	see *nil*
-rafenib	Raf kinase inhibitors
-siban	oxytocin antagonists

-siran-	**small interfering RNA**
-spodar	see *dar*
-stat-/-stat	*enzymes inhibitors*
-gacestat	gamma-secretase inhibitors
-stinel	NMDA receptor antagonists/agonists, glycine recognition site
-sulind	antineoplastics, sulindac metabolites
-tegrast	see *ast*
-tegravir	see *vir*
-texafin	texaphyrin derivatives
-tinib	*tyrosine kinase inhibitors*
-bru-	Agammaglobulinaemia tyrosine kinase (Bruton tyrosine kinase) inhibitors
-citinib	**Janus kinase inhibitors, antineoplastics**
-me-	MEK (MAPK* kinase) tyrosine kinase inhibitors
tide	*peptides and glycopeptides*
-fiba-	platelet aggregation inhibitor (GPIIb/IIIa receptor antagonist)
-tirome	antihyperlidaemic; thyromimetic derivatives
-toclax	**B-cell Lymphoma 2 (BCL-2) inhibitors, antineoplastics**
-traline	**serotonin reuptake inhibitors**
-trombopag	thrombopoietin agonists
-vancin	***vancomycin* related compounds**
vir	*antivirals (undefined group)*
-asvir	*antivirals, Hepatitis C Virus (HCV) NS5A inhibitors*
-tegravir	HIV integrase inhibitors
-virenz	benzoxazinone derivatives

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