INN Working Document 20.491 rev.
ENGLISH ONLY
09/12/2020

Pre-stems:*
Suffixes used in the selection of INN
December 2020

Programme on International Nonproprietary Names (INN)

Health Products Policy and Standards (HPS)

Access to Medicines and Health Products (MHP)

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", 2018, WHO/EMP /RHT/TSN/2018.1). 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 and underlined: pre-stems newly promoted as stems.

-adenant	antagonists of adenosine receptors
-algron	α_1-adrenoreceptor agonists
-alkib	ALK (anaplastic lymphoma kinase) inhibitors
-ampator	α-amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor modulators
-atovir	see *vir*
-batinib	see *tinib*
-bactam	β-lactamase inhibitors
-borbactam	**β-lactamase inhibitors, boronic acid derivatives**
-bep	engineered or synthetic protein scaffolds, non-immunoglobulin variable domain derived
-berel	beta estrogen receptor agonists
-borbactam	**see *-bactam***
-bresib	inhibitors of the bromodomain and extra-terminal motif (BET) family of bromodomain (BRD) proteins, antineoplastics
-camra	intracellular adhesion molecule (ICAM-1) derivatives
-camtiv	cardiac myosin activators
-capavir	*see vir*
-casan	caspase inhibitors
-caserin	serotonin receptor agonists (mostly 5-HT_2)
-cianine	indocyanine fluorescence dye group
-closporin	ciclosporin derivatives

-codar	see *dar*
-corat	glucocorticoid receptor agonists
-cridar	see *dar*
-dacin	antibiotics, DNA gyrase and topoisomerase IV inhibitors
-dar	*drugs used in multidrug resistance*
-cridar	acridinecarboxamide derivatives
-codar	pipecolinate derivatives
-spodar	ciclosporin D derivatives
-demstat	see *stat*
-depsin	depsipeptide derivatives
-dil	*vasodilators*
-sudil	Rho protein kinase inhibitors
-ectedin	ecteinascidin derivatives
-espib	**heat shock protein (HSP) 90 inhibitors (other than *–mycin*)**
-estrant	estrogen antagonists, including estrogen receptor down-regulators
-fadine	monoamine transport inhibitors
-farnib	farnesyl transferase inhibitors
-fenicol	**antibacterial antibiotics, chloramphenicol analogues**
-fibatide	see *tide*
-folastat	**see *-stat***
-fulven	antineoplastic, acylfulvene derivatives
-ganan	antimicrobial, bactericidal permeability increasing polypeptides
-gapil	neuronal apoptosis inhibitors, GAPDH
-gratinib	*see -tinib*
-imepodib	inosine monophosphate dehydrogenase inhibitors

-inapant	inhibitors of inhibition-of-apoptosis proteins (IAPs)
-inurad	urate transporter inhibitors
-irine	***cytotoxic* pyrrolobenzodiazepine dimers *and analogues***
-ixafor	chemokine CXCR4 antagonists
-kalner	openers of calcium-activated (maxi-K) K^+-channels
-leptin(e)	leptin derivatives
-lintide	See *-tide*
mab under targets *-ami-*	*monoclonal antibodies* serum amyloid protein (SAP)/amyloidosis
-madlin	E3 ubiquitin-protein ligase Mdm2 (Hdm2) inhibitors
-melanotide	*see tide*
-meran	messenger RNA (mRNA)
-metkib	MET (mesenchymal epithelial transition factor) kinases inhibitors
-metostat	see *stat*
-moren	non-peptidic growth hormone secretagogues
-nersen	see *-rsen*
-nesib	kinesin inhibitors
-neurin	neurotrophins
-nexor	nuclear export inhibitors
nil *-punil*	*benzodiazepine receptor antagonists/agonists* mitochondrial benzodiazepine receptor (MBR)-selective agonists, also partial or inverse (purine derivatives)
-(o)pterin	**pteridine derivatives**
-opran	μ-opioid receptors antagonists

-osuran	urotensin receptor antagonists
-otilate	hepatoprotectants, di(propan-2-yl) 2-(2*H*-1,3-dithiol-2-ylidene)propanedioate and analogues
-parantag	antagonists of heparin and/or low-molecular weight heparins (LMWH)
-paxar	protease activated receptor type 1 (PAR1) antagonists
-pertin	**glycine transporter inhibitors**
-pirdine	serotonin receptor antagonists
-pixant	purinoreceptor (P2X) antagonists
-plasinin	inhibitors of plasminogen activator inhibitors-type 1 (PAI-1)
-plenib	Spleen tyrosine kinase (Syk) inhibitors
-prinim	nootropic agents, purine derivatives
-protafib	protein tyrosine phosphatase (HPTP) inhibitors
-pultide	see -tide
-punil	see *nil*
-rasib	Ras protein inhibitors
-rsen *-nersen*	*antisense oligunucleotides* targeting neurological functions
-saicin	analgesics, capsaicin analogues
-setrag	serotonin (5-HT3/4) receptor agonists, prokinetics