

***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,
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*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.

- <i>adenant</i>	antagonists of adenosine receptors
- <i>algron</i>	α_1 -adrenoreceptor agonists
- <i>alkib</i>	ALK (anaplastic lymphoma kinase) inhibitors
- <i>ampator</i>	α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor modulators
- <i>atovir</i>	see <i>vir</i>
- <i>batinib</i>	see <i>tinib</i>
- <i>bactam</i>	β -lactamase inhibitors
- <i>borbactam</i>	β-lactamase inhibitors, boronic acid derivatives
- <i>bep</i>	engineered or synthetic protein scaffolds, non-immunoglobulin variable domain derived
- <i>berel</i>	beta estrogen receptor agonists
- <i>borbactam</i>	see <i>-bactam</i>
- <i>bresib</i>	inhibitors of the bromodomain and extra-terminal motif (BET) family of bromodomain (BRD) proteins, antineoplastics
- <i>camra</i>	intracellular adhesion molecule (ICAM-1) derivatives
- <i>camtiv</i>	cardiac myosin activators
- <i>capavir</i>	see <i>vir</i>
- <i>casan</i>	caspase inhibitors
- <i>caserin</i>	serotonin receptor agonists (mostly 5-HT ₂)
- <i>cianine</i>	indocyanine fluorescence dye group
- <i>closporin</i>	ciclosporin derivatives

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

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

-osuran	urotensin receptor antagonists
-otilate	hepatoprotectants, di(propan-2-yl) 2-(2 <i>H</i> -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
-piridine	serotonin receptor antagonists
-pixant	purinoreceptor (P2X) antagonists
-plasimin	inhibitors of plasminogen activator inhibitors-type 1 (PAI-1)
-plenib	Spleen tyrosine kinase (Syk) inhibitors
-prinin	nootropic agents, purine derivatives
-protafib	protein tyrosine phosphatase (HPTP) inhibitors
-pultide	see -tide
-punil	see <i>nil</i>
-rasib	Ras protein inhibitors
-rsen	<i>antisense oligonucleotides</i>
-nersen	targeting neurological functions
-saicin	analgesics, capsaicin analogues
-setrag	serotonin (5-HT _{3/4}) receptor agonists, prokinetics
-sidenib	isocitrate dehydrogenase inhibitors
-sopasem	superoxide dismutase (SOD) mimetics
-spodar	see <i>dar</i>
-stat-/stat	<i>enzymes inhibitors</i>
-demstat	histone lysine specific demethylase inhibitors
-folastat	inhibitors of folate hydrolase 1 (prostate-specific membrane antigen, PSMA)

-metostat	histone <i>N</i> -methyltransferases inhibitors
<u>-stinel</u>	<u>NMDA receptor co-agonists</u>
-sudil	see <i>dil</i>
-sulind	antineoplastics, sulindac metabolites
-terkib	ERK (extracellular signal-regulated kinases) inhibitors
-terone	<i>antiandrogens</i>
-teronel	non-steroid antiandrogens
-texafin	texaphyrin derivatives
-tide	<i>peptides and glycopeptides</i>
-fibatide	platelet aggregation inhibitor (GPIIb/IIIa receptor antagonist)
-lintide	amylin derivatives and analogues
-melanotide	melanocortin receptor antagonists
-pultide	peptides used in pulmonary surfactants
-tinib	<i>tyrosine kinase inhibitors</i>
-batinib	BCR-ABL kinases inhibitors
-gratinib	fibroblast growth factor (FGFR) inhibitors
-trectinib	tropomyosin receptor kinase (TRK) inhibitors
-toran	toll-like receptor antagonists
-trep	transient receptor potential antagonists
-trombopag	thrombopoietin agonists
-vancin	<i>vancomycin</i> related compounds
vir	<i>antivirals (undefined group)</i>
-atovir	RSV fusion protein inhibitors
-capavir	viral capsid inhibitors
-virenz	benzoxazinone derivatives
-vivint	Wnt signaling inhibitors

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