



**World Health
Organization**

INN Working Document 21.530 rev
ENGLISH ONLY
16/03/2022

***Pre-stems:
Suffixes used in the selection of INN
October 2021***

Programme on International Nonproprietary Names (INN)

Medicines and Health Products

***World Health Organization,
Geneva***

© World Health Organization (2022) -This document is not issued to the general public, and all rights are reserved by the World Health Organization (WHO). The document may not be reviewed, abstracted, quoted, reproduced or translated, in part or in whole, without the prior written permission of WHO. No part of this document may be stored in a retrieval system or transmitted in any form or by any means - electronic, mechanical or other - without the prior written permission of WHO. The views expressed in documents by named authors are solely the responsibility of those authors.

stem

definition

-suffix
-infix-

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

In bold and underlined: pre-stems newly promoted as stems

-algron	α_1 -adrenoreceptor agonists
-alkib	ALK (anaplastic lymphoma kinase) inhibitors
-ampator	α -amino-3-hydroxy-5-methyl-4-isoxazolepropionic acid (AMPA) receptor modulators
-ase -liase	enzymes lyases (EC class 4)
-atovir	see <i>vir</i>
-bactam -borbactam	β -lactamase inhibitors β -lactamase inhibitors, boronic acid derivatives
-batinib	see <i>-tinib</i>
-berel	beta estrogen receptor agonists
-borbactam	see <i>-bactam</i>
-caltamide	T-type calcium channel blockers
-camra	intracellular adhesion molecule (ICAM-1) derivatives
-camtiv	cardiac myosin activators
-capavir	see <i>vir</i>
-casan	caspase inhibitors
-caserin	serotonin receptor agonists (mostly 5-HT ₂)
-cept -tacicept	receptor molecules or membrane ligands, native or modified TACI (TNFRSF13B)-derived TNF receptors

<i>-cianine</i>	indocyanine fluorescence dye group
<i>-closporin</i>	ciclosporin derivatives
<i>-codar</i>	see <i>dar</i>
<i>-cridar</i>	see <i>dar</i>
<i>-corilant</i>	glucocorticoid receptor antagonists (non-steroidal)
<i>-corvir</i>	see <i>vir</i>
<i>-dacin</i>	antibiotics, DNA gyrase and topoisomerase IV inhibitors
<i>dar</i> <i>-codar</i> <i>-cridar</i> <i>-spodar</i>	<i>drugs used in multidrug resistance</i> pipecolate derivatives acridinecarboxamide derivatives ciclosporin D derivatives
<i>-delpar</i>	PPAR delta agonists
<u>-demstat</u>	<u>see stat</u>
<i>-depsin</i>	depsipeptide derivatives
<i>-dirsen</i>	see <i>-rsen</i>
<i>-dutide</i>	see <i>-tide</i>
<i>-ectedin</i>	ecteinascidin derivatives
<u>-enatide</u>	<u>see -tide</u>
<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>

-fulven	antineoplastics, acylfulvene derivatives
-ganan	from antimicrobials, bactericidal permeability increasing polypeptides to antimicrobials, permeability increasing peptides
-gapil	neuronal apoptosis inhibitors, GAPDH
-gli -gliatin	antihyperglycaemics glucokinase activators
-gratinib	see -tinib
-imepodib	inosine monophosphate dehydrogenase inhibitors
-inapant	inhibitors of inhibition-of-apoptosis proteins (IAPs)
-inurad	urate transporter inhibitors
-kalner	openers of calcium-activated (maxi-K) K ⁺ -channels
-leptin(e)	leptin derivatives
-liase	see -ase
-lintide	see -tide
mab -ami-	monoclonal antibodies serum amyloid protein (SAP)/amyloidosis
-melanotide	see -tide
-metkib	MET (mesenchymal epithelial transition factor) kinases inhibitors
-moren	non-peptidic growth hormone secretagogues
-nersen	see -rsen
-nesib	kinesin inhibitors
-neurin	neurotrophins
-nexor	nuclear export inhibitors

<i>-nil</i> <i>-punil</i>	<i>benzodiazepine receptor antagonists/agonists</i> mitochondrial benzodiazepine receptor (MBR)-selective agonists, also partial or inverse (purine derivatives)
<i>-opran</i>	μ -opioid receptors antagonists
<i>-(o)pterin</i>	pteridine derivatives
<i>-osuran</i>	urotensin receptor antagonists
<i>-otilate</i>	hepatoprotectants, di(propan-2-yl- 2-(2 <i>H</i> -1,3-dithiol-2-ylidene)propanedioate and analogues
<i>-parantag</i>	antagonists of heparin and/or low-molecular weight heparins (LMWH)
<i>-paxar</i>	protease activated receptor type 1 (PAR1) antagonists
<i>-perten</i>	glycine transporter inhibitors
<i>-pirdine</i>	serotonin receptor antagonists
<i>-pixant</i>	purinoreceptor (P2X) antagonists
<i>-plasinin</i>	inhibitors of plasminogen activator inhibitors-type 1 (PAI-1)
<i>-plenib</i>	Spleen tyrosine kinase (Syk) inhibitors
<i>-prinin</i>	nootropic agents, purine derivatives
<i>-prodil</i>	<i>N</i> -methyl-D-aspartate (NMDA) receptor antagonists
<i>-protafib</i>	protein tyrosine phosphatase (HPTP) inhibitors
<i>-pultide</i>	see <i>-tide</i>
<i>-punil</i>	see <i>nil</i>
<i>-ralstat</i>	see <i>-stat/-stat</i>
<i>-rasib</i>	Ras protein inhibitors
<i>-rocin</i>	aminoacyl-tRNA synthetase inhibitors
<i>-rogant</i>	retinoic acid receptor-related orphan receptor gamma (ROR γ) antagonists

-rsen -dirsten -nersen	<i>antisense oligonucleotides</i> <i>splice-switching oligonucleotides, muscular dystrophies</i> 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 - <u>demstat</u> -folastat -ralstat	<i>enzymes inhibitors</i> <u>lysine-specific histone demethylase inhibitors</u> inhibitors of folate hydrolase 1 (prostate-specific membrane antigen, PSMA) kallikrein inhibitors
-sulind	antineoplastics, sulindac metabolites
- <i>tacicept</i>	see -cept
-terkib	ERK (extracellular signal-regulated kinases) inhibitors
-terone -teronel	<i>antiandrogens</i> non-steroid antiandrogens
-texafin	texaphyrin derivatives
-tide -dutide - <u>enatide</u> -fibatide -lintide -melanotide	<i>peptides and glycopeptides</i> oxytomodulin analogs and other dual agonists of glucagon-like peptide receptor 1 (GLP-1R) and glucagon receptor (GCGR) <u>glucagon-like peptide-1 receptor (GLP1R) agonists, exenatide (exendin-4) and analogues</u> platelet aggregation inhibitor (GPIIb/IIIa receptor antagonist) amylin derivatives and analogues melanocortin receptor antagonists

<i>-pultide</i>	peptides and proteins , used in pulmonary surfactants
<i>-tinib</i> <i>-batinib</i> <i>-gratinib</i>	<i>tyrosine kinase inhibitors</i> BCR-ABL kinases inhibitors fibroblast growth factor (FGFR) inhibitors
<i>-toran</i>	toll-like receptor antagonists
<i>-trep</i>	transient receptor potential antagonists
<i>-trombopag</i>	thrombopoietin agonists
<i>-turev</i>	under the advanced therapy scheme for: oncolytic viruses
<i>-vancin</i>	<i>vancomycin</i> related compounds
<i>vir</i> <i>-atovir</i> <i>-capavir</i> <i>-corvir</i> <i>-trelvir</i> <i>-virenz</i> <i>-virimat</i>	<i>antivirals (undefined group)</i> RSV fusion protein inhibitors viral capsid and nucleocapsid inhibitors core protein (Cp) inhibitors antiviral 3CL proteases inhibitors benzoxazinone derivatives antivirals, disruptors of viral maturation

* * *