

USAN STEM LIST

STEM	DEFINITION	EXAMPLES
-abine	(see -arabine, -citabine)	
-ac	anti-inflammatory agents (acetic acid derivatives)	bromfen ac dexpe medolac
-acetam	(see -racetam)	
-adol or -adol-	analgesics (mixed opiate receptor agonists/ antagonists)	taz adol ene spir adol ene levonantra adol
-adox	antibacterials (quinoline dioxide derivatives)	carb adox
-afenone	antiarrhythmics (propafenone derivatives)	alpra fenone dipra fenone <u>x</u>
-afil	PDE5 inhibitors	tadal afil
-aj-	antiarrhythmics (ajmaline derivatives)	lor aj mine
-aldrate	antacid aluminum salts	mag aldrate
-algron	alpha ₁ - and alpha ₂ - adrenoreceptor agonists	dabuz algron
-alol	combined alpha and beta blockers	labet alol medro xalol
-amidis	antimycoidotics	tafa midis
-amivir	(see -vir)	
-ampa	ionotropic non-NMDA glutamate receptors (AMPA and/or KA receptors)	
subgroup:		
-ampanel	antagonists	bec ampanel
-ampator	modulators	for ampator
-anib	angiogenesis inhibitors	pegapta anib cedira anib

subgroup:

-siranib	siRNA	beva siranib
-andr-	androgens	n and rolone
-anserin	serotonin 5-HT ₂ receptor antagonists	alt anserin trop anserin adat anserin
-antel	anthelmintics (undefined group)	carb antel

subgroup:

-quantel	2-deoxoparahequamide A derivatives	der quantel
-antrone	antineoplastics; anthraquinone derivatives	pixa antrone
-apsel	P-selectin antagonists	tor apsel
-arabine	antineoplastics (arabinofuranosyl derivatives) flud arabine	faza arabine
aril-, -aril, -aril-	antiviral (arildone derivatives)	plecon aril aril done fos arilate
-arit	antirheumatics (lobenzarit type)	lobenza arit clobuza arit
-arol	anticoagulants (dicumarol type)	dicuma arol
-arone	antiarrhythmics	droneda arone

subgroup:

-iodarone	indicates high iodine content	ami iodarone
-arot-	arotinoids	eta arotene suma arotene taza arotene
-arotene	arotinoid derivatives	bexa arotene lina arotene taza arotene

-arsin	organoarsenic compounds	darinap <i>arsin</i>
arte-	antimalarials (artemisin derivatives)	artefl ene
-ase	enzymes	alglucer ase dorn ase alfa
subgroup:		
-dismase	superoxide dismutase activity (exception: orgotein)	su dismase
-teplase	tissue-type plasminogen activators	al teplase du teplase sil teplase
-uplase	urokinase-type plasminogen activators	sar uplase nasar uplase
-ast	antiasthmatics/antiallergics (not acting primarily as antihistamines; leukotriene biosynthesis inhibitors)	
subgroup:		
-lukast	leukotriene receptor antagonists	cina lukast pobi lukast
-milast	type IV phosphodiesterase inhibitors	picla milast
-trodast	thromboxane A ₂ receptor antagonists	sera trodast
-zolast	benzoxazole derivatives	eclaz olast ontaz olast vala tegrast
-tegr-	integrin antagonists	
-(a)tadine	tricyclic histaminic-H1 receptor antagonists, loratadine derivatives	deslor atadine rup atadine soman tadine
-astine	antihistaminics (histamine-H ₁ receptor antagonists)	eb astine

-atadine	tricyclic antiasthmatics	olop atadine lor atadine
-axine -(f)axine	antianxiety, antidepressant inhibitor of norepinephrine and dopamine re-uptake	rada faxine
-azenil	benzodiazepine receptor agonists/antagonists	bret azenil flum azenil
-azepam	antianxiety agents (diazepam type)	lor azepam
-azepide	cholecystokinin receptor antagonists	dev azepide
-azocine	narcotic antagonists/agonists (6,7-benzomorphan derivatives)	quad azocine ket azocine
-azoline	antihistamines/local vasoconstrictors (antazoline type)	ant azoline
-azosin	antihypertensives (prazosin type)	dox azosin
-bactam	beta-lactamase inhibitors	sul bactam
-bamate	tranquilizers/antiepileptics (propanediol and pentanediol groups)	mepro bamate fel bamate
-barb or -barb-	barbituric acid derivatives	pheno barbital seco barbital etero barb
-basib	inhibitors of the ADAM (A disintegrin and A metalloprotease) enzymes (shedases)	ader basib
-begron	beta 3 adrenoreceptor agonist	tali begron
-bendazole	anthelmintics (tibendazole type)	cam bendazole
-berel	beta estrogen receptor agonist	prina berel
-bersat	anticonvulsants; antimigraine (benzoylamino-benzopyran derivatives)	cara bersat tidem bersat
bol- or -bol-	anabolic steroids	bol andiol mi bol erone

-bufen	non-steroidal anti-inflammatory agents, fenbufen derivatives	indob ufen
-bulin	antineoplastics (mitotic inhibitors; tubulin binders)	mivob ulin
-butan	antiseptics (dapabutan type)	dapab utan lopob utan
-butazone	anti-inflammatory analgesics (phenylbutazone type)	mofeb utazone
-caftor	cystic fibrosis transmembrane regulator (CFTR) protein modulators	ivac aftor
-caine	local anesthetics	dibu caine
-caleret	calcium receptor antagonists	ronac aleret
calci- or -calci-	vitamin D analogues	calcip otriene ta calcit ol
-camra	antivirals (intracellular adhesion molecules, icam-1 derivatives)	tremac amra
-camsule	camphorsulfonic acid derivatives used as UVA sunscreens	ec amsule
-capoc	agonists of the Gardos channel, or the calcium activated potassium channel of intermediate conductance	senic apoc
-capone	catechol-O-methyltransferase (COMT) inhibitors	entac apone
-casan	caspase (interleukin –1b) converting enzyme inhibitors	pralnac asan
-caserin	serotonin receptor agonists, primarily 5-HT ₂	lor caserin vabi caserin
-castat	(see -stat)	
-carbef	antibiotics (carbacephem derivatives)	lorac arbef
-catib	cathepsin inhibitors	balic atib

-cavir	(see -vir)	
cef-	cephalosporins	cefazolin
-cept	receptor molecules, native or modified (a preceding infix should designate the target)	al vircept
subgroups:		
-bacept	B-cells	br io <i>bacept</i>
-co-	complement receptors	miro co <i>cept</i>
-facept	lymphocyte function-associated with antigen 3 (LFA) receptor	ale facept
-farcept	interferon receptors	bi farcept
-lefacept	lymphocyte function-associated	ale facept
-nacept	interleukins	ri lona <i>cept</i>
-nercept	tumor necrosis factor receptors	le nercept
-tacept	T-cells	belat acept
-tercept	transforming growth factor	sota tercept
-vircept	antiviral receptors	al vircept
-cerfont	CRF-1 (corticotropin releasing factor) receptor antagonists	pexa cerfont
-cet	receptors (small molecule)	
subgroup:		
-calcet	calcium receptor agonists	te calcet
-cetrapib	cholesterol ester transfer protein inhibitors	tor cetrapib
-cic	hepatoprotectives (timonacic type)	limazoc ic

-ciclib	cyclin dependent kinase inhibitors (formerly – <i>cidib</i>)	seli <i>ciclib</i>
-ciclovir	(see vir-)	
-cidin	natural antibiotics (undefined group)	grami <i>cidin</i>
-ciguat	guanaline cyclase activator	ata <i>ciguat</i> , atri <i>ciguat</i>
-cillin	penicillins	ampic <i>illin</i>
-citabine	nucleoside antiviral or antineoplastic agents, cytarabine or azarabine derivatives	gem <i>citabine</i> fi <i>citabine</i> zal <i>citabine</i>
-clidine/ -clidinium	muscarinic receptor agonists/antagonists	veda <i>clidine</i> talsa <i>clidine</i>
-clomol	heat-shock protein inducers, bimoclomal type	eles <i>clomol</i>
-clone	hypnotics/tranquilizers (zopiclone type)	pago <i>clone</i>
-closporin	cyclosporine derivatives	oxe <i>closporin</i>
-cog	blood coagulation factors	
subgroups:		
-eptacog	blood coagulation factor VII	<i>eptacog</i> alfa (activated)
-nonacog	blood coagulation factor IX	<i>nonacog</i> alfa
-octocog	blood coagulation factor VIII	mor <i>octocog</i> - alfa <i>octocog</i> alfa
-cogin	blood coagulation cascade inhibitor	tifa <i>cogin</i>
-conazole	systemic antifungals (miconazole type)	flu <i>conazole</i> oxi <i>conazole</i>
-corat	glucocorticoid receptor agonists (not glucocorticoids)	mapra <i>corat</i>

-cort-	cortisone derivatives	hydro cortisone
-coxib	cyclooxygenase-2 inhibitors	cele coxib pare coxib valde coxib
-cridar	(see -dar)	
-crinat	diuretics (ethacrynic acid derivatives)	bro crinat
-crine	acridine derivatives	amsa crine quina crine
-cromil	antiallergics (cromoglicic acid derivatives)	nedo cromil
-curium	neuromuscular blocking agents (quaternary (also ammonium compounds))	atra curium al curonium
-curonium		pipe curonium
-cycline	antibiotics (tetracycline derivatives)	mino cycline
-dan	positive inotropic agents (pimobendan type)	prinox dan indoli dan
-dapson	antimycobacterials (diaminodiphenylsulfone derivatives)	ace dapson
-degib	SMO receptor antagonists; hedgehog signaling inhibitors	vismo degib
-denant	adenosine 2A antagonists	prela denant
-dar	multidrug resistance inhibitors	
subgroups:		
-cridar	acridine carboxamide derivatives	ela cridar
-icodar	pipecolic acid derivatives	bir icodar
-quidar	quinoline derivatives	lami quidar zozu quidar
-spodar	ciclosporin D derivatives	val spodar

-denoson	adenosine A receptor agonists	teca denoson , bino denoson
-depsin	depsipeptide derivatives	romi depsin
-dermin	(see -ermin)	
dil-, -dil- or -dil	vasodilators (undefined group)	fosted dil
-dipine	phenylpyridine vasodilators (nifedipine type)	darod dipine felod dipine
-dismase	(see -ase)	
-distim	(see -stim)	
-ditan	antimigraine (5-HT ₁ receptor agonists)	alni ditan
-ditraz	acaricide/tick repellent	demi ditraz
-domide	thalidomide derivatives	lenali domide
-dopa	dopamine receptor agonists	levod dopa
-dopidine	dopamine D ₂ receptor modulator	pri dopidine
-dore	dopamine D ₂ D ₃ receptor modulators	aplin dore fumarate
-dotin	synthetic analogs of the dolastatin series	tasi dotin HCl
-dralazine	antihypertensives (hydrazine-phthalazines)	hy dralazine en dralazine
-dronate	calcium metabolism regulators	eti dronate tilu dronate
-dutant	(see -tant)	
-ectedin	ecteinascodin derivatives	mon ectedin
-ectin	antiparasitics (ivermectin type)	doram ectin moxid ectin

-elestat	(see -stat)	
-elvekin	(see -kin)	
-emcinal	erythromycin derivatives lacking antibiotic activity; motilin agonists	mit emcinal
-entan	endothelin receptor antagonists	bos entan
-eptacog	(see -cog)	
-eptakin	(see -kin)	
-erg-	ergot alkaloid derivatives	per golide
-eridine	analgesics (meperidine type)	anil eridine
-ermin	growth factors	
subgroups:		
-bermin	vascular endothelial growth factors	tel bermin
-dermin	epidermal growth factors	muro dermin
-fermin	fibroblast growth factors	erso fermin
-nermin	tumor necrosis factors	so nermin taso nermin
-plermin	platelet derived growth factors	beca plermin
-sermin	insulin-like growth factors	meca sermin
-termin	transforming growth factors	ce termin
-otermin	bone morphogenetic proteins	dib otermin alfa
-espib	heat shock protein inhibitors	ganete spib
estr- or -estr-	estrogens	estrone fene strel
-estrant	estrogen antagonists	fulv estrant
-etanide	diuretics (piretanide type)	bume tanide

-exakin	(see -kin)	
-farin	warfarin analogs	tecar farin
-farnib	farnesyl transferase inhibitor	tipi farnib
-fenamate	"fenamic acid" ester or salt derivatives	eto fenamate
-fenamic acid	anti-inflammatory agents (anthranilic acid derivatives)	flu fenamic acid
-fenin	diagnostic aids ((phenylcarbamoyl)methyl iminodiacetic acid derivatives)	arclo fenin
-fenine	analgesics (fenamic acid subgroup)	flocta fenine
-fentanil	narcotic analgesics (fentanyl derivatives)	al fentanil mir fentanil bri fentanil
-fentrine	phosphodiesterase inhibitor	puma fentrine
-fermin	(see -ermin)	
-fetamin(e)	amfetamine derivatives	levmetam fetamine
-fexor-/ -fexorate	farnesoid X receptor agonists	turo fexorate
-fiban	fibrinogen receptor antagonists (glycoprotein II _b /III _a receptor antagonists)	lami fiban tiro fiban
-fibatide	(see -tide)	
-fibrate	antihyperlipidemics (clofibrate type)	beza fibrate
-filcon	hydrophilic contact lens materials	alpha filcon A xylo filcon A mipa filcon A
-fingol	sphingosine derivatives	cede fingol sa fingol
-flapon	5-lipoxygenase-activating protein (FLAP) inhibitors	qui flapon

-flurane	general inhalation anesthetics (halogenated alkane derivatives)	en flurane
-focon	hydrophobic contact lens materials	tri focon A pasi focon B sata focon A
-formin	hypoglycemics (phenformin type)	bu formin
-fo(s)-	phosphoro-derivatives	fosinoprilat
-fosfamide	isophosphoramidate mustard derivatives	pali fosfamide
-fradil	calcium channel blockers acting as vasodilators	mibe fradil
-fulven	antineoplastic, acylfulven derivatives	virido fulven
-fungin	antifungal antibiotics (undefined group)	kala fungin
-fylline	theophylline derivatives	enpro fylline bami fylline cipam fylline
-gab-	gabamimetics	feng gabine
gado-	gadolinium derivatives (principally for diagnostic use)	gadodiamide gadoteridol gadobenate
-ganan	antimicrobial, bactericidal permeability increasing polypeptide	ise ganan pexi ganan
-gapil	neuronal apoptosis inhibitors; GAPDH	omi gapil
-gatan	thrombin inhibitors (argatroban type)	efe gatan
-gepant	calcitonin gene-related peptide receptor antagonists	telca gepant
-gest-	progestins	me gestrol
-giline	MAO inhibitors, type B	sele giline
-gillin	antibiotics (<i>Aspergillus</i> strains)	mito gillin

gli-	antihyperglycemics	gliflumide
-gliatin	glucokinase activator	pirag liatin
-gliflozin	phlorozin derivatives, phenolic glycosides	ser gliflozin
-glinide	antidiabetic, SGLT2 inhibitors, not phlorozin derivatives	repag linide miti glinide
-gliptin	dipeptidyl aminopeptidase-IV inhibitors	vildag liptin
-glitazar	PPAR agonists (not thiazolidene derivatives)	far glitazar
-glitazone	PPST agonists (thiazolidene derivatives)	ci glitazone rosi glitazone
-glumide	CCK antagonists, antiulcer, anxiolytic agent	ami glumide itri glumide
-golix	GnRH receptor antagonists (nonpeptide)	sufu golix
-gosivir	(see -vir)	
-gramostim	(see -stim)	
-grastim	(see -stim)	
-grel- or -grel	platelet aggregation inhibitors, primarily platelet P2Y12 receptor antagonists	itazi grel dimeta grel fure grelate
guan-	antihypertensives (guanidine derivatives)	guan octine
-ibat	ileal bile acid transport inhibitor	barix ibat
-icam	anti-inflammatory agents (isoxicam type)	enoli cam tenoxi cam
-icodar	(see -dar)	
-ifen(e)	antiestrogens of the clomifene and tamoxifen groups	nitrom ifene raloxi ifene drolox ifene

-ilide	class III antiarrhythmic agents	ibut <i>ilide</i> risot <i>ilide</i> dofet <i>ilide</i>
-imepodib	inosine monophosphate dehydrogenase inhibitors	mer <i>imepodib</i>
-imex	immunostimulants	forfen <i>imex</i> roquin <i>imex</i> uben <i>imex</i>
-imibe-	antihyperlipidaemics, acyl CoA: cholesterol acyltransferase (ACAT) inhibitors	eldac <i>imibe</i> avas <i>imibe</i> pact <i>imibe</i>
-imod	immunomodulators	ivar <i>imod</i> pidot <i>imod</i>
subgroup:		
-mapimod	mitogen-activated protein (MAP) kinase inhibitors	dor <i>mapimod</i>
-tirimod	naphthyridine analogs	ept <i>tirimod</i> , sort <i>tirimod</i>
-tolimod	toll-like receptor agonist	aga <i>tolimod</i> rinta <i>tolimod</i>
-imus	immunosuppressives	tacrol <i>imus</i> napir <i>imus</i> gusper <i>imus</i>
subgroup:		
-rolimus	immunosuppressant, rapamycin derivatives	sirol <i>imus</i>
io-	iodine-containing contrast media	<i>iodamide</i>
-irudin	anticoagulants (hirudin type)	des <i>irudin</i>
-isant	histamine H3 receptor antagonists	cipral <i>isant</i>
-isomide	antiarrhythmics (disopyramide derivatives)	bid <i>isomide</i>
-ium (also -onium)	quaternary ammonium derivatives	disiquo <i>onium</i> polixet <i>onium</i>

-ivon	Von Willebrand factor inhibitors	egapt ivon pegol
-ixafor	CXCR4 antagonists	pler ixafor
-kacin	antibiotics obtained from <i>Streptomyces kanamyceticus</i> (related to kanamycin)	ami kacin
-kalant	potassium channel antagonists	almo kalant teri kalant
-kalim	potassium channel agonists	croma kalim apri kalim
-kalner	opener of large conductance calcium-activated (maxi-k) K ⁺ channels	flindo kalner
-kef-	enkephalin agonists (various indications)	met kephamide caso kefamide
-kin	interleukins	
subgroups:		
-decakin	interleukin-10 analogues and derivatives	ilo decakin
-dodekin	interleukin-12 analogues and derivatives	edo dakin alfa
-elvekin	interleukin-11 analogues and derivatives	opre lvekin
-enicokin	interleukin-21	dene nicokin
-eptakin	interleukin-7 analogues and derivatives	
-exakin	interleukin-6 analogues and derivatives	ate xakin alfa
-leukin	interleukin-2 analogues and derivatives	tece leukin aldes leukin
-nakin	interleukin-1 analogues and derivatives	
subgroups:		
-onakin	interleukin-1- α analogues and derivatives	piton akin
-benakin	interleukin-1- β analogues and derivatives	mobe nakin

-nonakin	interleukin-9 analogues and derivatives	
-octakin	interleukin-8 analogues and derivatives	em octakin
-penkin	interleukin-5 analogues and derivatives	
-trakin	interleukin-4 analogues and derivatives	bine trakin
-kinra	interleukin receptor antagonists	
subgroups:		
-nakinra	interleukin-1 (IL-1) receptor antagonists	anakinra
-kiren	renin inhibitors	dite kiren terla kiren zan kiren
-lazed	lipid peroxidation inhibitors	tiri lazed
-leptin	leptin derivatives	metre leptin
-leukin	(see -kin)	
-leuton	5-lipoxygenase inhibitors	seti leuton fen leuton
-lipim	lipoprotein lipase activators	ibro lipim
-lisib	phosphatidylinositol 3-kinase inhibitors	picti lisib
-locib	antineoplastics that inhibit the formation of 5-LO, LTB ₄ , LTC ₄ , and thromboxane B ₂ (TxB ₂); and Activate PPAR _γ nuclear receptors	eta locib
-lubant	leukotriene receptor antagonists (treatment of inflammatory skin disorders)	tico lubant
-lukast	(see -ast)	
-luren	inducers of ribosomal readthrough of nonsense mutation mRNA stop codons	ata luren
-lutamide	non-steroid antiandrogens	bica lutamide flutamide

-lutril	neutral endopeptidase inhibitors possessing additional endothelin converting enzyme inhibitory activity	dag lutril
-mab	monoclonal antibodies imciro mab	abcixi mab capro mab daclixi mab detumo mab enlimo mab
-axo-	rat-murine hybrid antibodies	
-kin-	interleukins as target	
-les-	infix for inflammatory/infectious lesions	
-ne(r)-	neurologic indications (replaces -neu-)	
-os-	bone	deno sumab
-toxa-	toxin as a target	ur toxazumab
-xizu-	combination of humanized and chimeric chains	
-manid	mycolic acid inhibitors	delam anid
-mantadine or -mantine	antivirals/antiparkinsonians (adamantane derivatives)	ri mantadine dopa mantine
-mastat	(see -stat)	
-meline	cholinergic agonists (arecoline derivatives used in treatment of Alzheimer's disease)	xano meline
-melteon	selective melatonin receptor agonist	ramel teon
-mer	polymers	cadexo mer carbeti mer
-mesine	sigma receptor ligands	ig mesine pana mesine
-mestane	antineoplastics (aromatase inhibitors)	plo mestane

-metacin	anti-inflammatory agents (indomethacin type)	zido metacin
-micin	antibiotics (<i>Micromonospora</i> strains)	madura micin genta micin
-monam	monobactam antibiotics	gloxi monam oxi monam tigi monam
-morelin	(see -relin)	
-moren	non-peptidic growth hormone secretagogues	ibuta moren
-mostim	(see -stim)	
-motine	antivirals (quinoline derivatives)	fa motine
-moxin	monoamine oxidase inhibitors (hydrazine derivatives)	ben moxin do moxin
-mulin	antibacterials, pleuromulin derivatives	retapa mulin
-multin	mucosal tolerance inductors	ismo multin
-mustine	antineoplastics (chloroethylamine derivatives)	car mustine
-mycin	antibiotics (<i>Streptomyces</i> strains)	linco mycin
nab- or -nab-	cannabinol derivatives	nab azenil dron abinol
subgroup:		
-nabant	CB cannabinoid receptor antagonists	rimo nabant
-nakalant	mixed sodium/potassium channel blockers	ver nakalant
-nakin	(see -kin)	
nal-	narcotic agonists/antagonists (normorphine type)	nal mefene
-navir	(see vir-)	

-nepag	non-prostanoid prostaglandin receptor agonists	evata nepag
-nercept	(see -cept)	
-nermin	(see -ermin)	
-nertant	neurotensin receptor antagonists	remi nertant
-nesib	kinesin inhibitors	ispi nesib
-netant	(see -tant)	
-neurin	neurotensin receptor antagonists; neurotropins	abri neurin
-nicline	nicotinic acetylcholine receptor partial agonists/agonists	alti nicline
-nidap	nonsteroidal anti-inflammatory agents (tenidap type)	ilon idap te nidap
-nidazole	antiprotozoal substances (metronidazole type)	ti nidazole
nifur-	5-nitrofur derivatives	nifuratel nifuratrone
-nil	benzodiazepine receptor antagonists/agonists	
subgroup:		
-punil	mitochondrial benzodiazepine receptor (MBR) selective, partial, or inverse agonists (purine derivatives)	ema punil
-quinil	benzodiazepine receptor agonists, also partial or inverse (quinoline derivatives)	lire quinil
-nixin	anti-inflammatory agents (anilinicnicotinic acid derivatives)	clon nixin
-nonacog	(see -cog)	
-nonakin	(see -kin)	
-octocog	(see -cog)	
-octakin	(see -kin)	

-olol	beta-blockers (propranolol type)	tim olol aten olol
-olone	steroids (<i>not</i> prednisolone derivatives)	minax olone
-onide	topical steroids (acetal derivatives)	amcin onide
-opilone	epothilones	sag opilone
-orex	anorexiant	flud orex
-orexant	orexin antagonists	suv orexant
-orphan	narcotic antagonists/agonists (morphinan derivatives) dextr orphan	dextro- meth orphan
-osuran	urotensin receptor antagonists	pal osuran
-otilate	hepatoprotectants, di-isopropyl-1,3-dithiol- malonate derivatives	miv otilate
-oxacin	antibacterials (quinolone derivatives)	difl oxacin ciprofl oxacin
-oxan	alpha-adrenoceptor antagonists (benzodioxane derivatives)	imil oxan
-oxanide	antiparasitics (salicylanilide derivatives)	brom oxanide
-oxef	antibiotics (oxacefalosporanic acid derivatives)	flom oxef
-oxetine	antidepressants (fluoxetine type)	dap oxetine sepro oxetine
subgroup:		
-tioxetine	thioether derivatives	teda tioxetine
-oxin	fluoroquinolone derivatives, nonantibacterial indications (e.g., antineoplastic antibiotics)	vorel oxin
-pab	antibody mixtures/polyclonal antibodies, used instead of -mab	rozrolimu pab

-pafant	platelet-activating factor antagonists	<i>apafant</i> daco <i>pafant</i> tulo <i>pafant</i> lexi <i>pafant</i>
-pamide	diuretics (sulfamoylbenzoic acid derivatives)	ali <i>pamide</i>
-pamil	coronary vasodilators (verapamil type)	tiap <i>pamil</i>
-pamine	dopaminergics (butopamine type)	foso <i>pamine</i> ibo <i>pamine</i>
-panel	AMPA receptor antagonists	fana <i>panel</i> irum <i>panel</i> talam <i>panel</i>
-parcil	antithrombotics	beci <i>parcil</i> ili <i>parcil</i>
-parcin	glycopeptide antibiotics	avop <i>parcin</i>
-parib	poly-ADP-ribose polymerase inhibitors	olap <i>parib</i>
-parin	heparin derivatives and low molecular weight (or depolymerized) heparins	he <i>parin</i> tinza <i>parin</i> dalte <i>parin</i>
-parinux	antithrombotic indirect selective synthetic factor Xa inhibitors	fonda <i>parinux</i>
-paroid	antithrombotics (heparinoid type)	dana <i>paroid</i> sul <i>paroid</i>
-paxar	PAR1 antagonists	vorap <i>paxar</i>
peg-	PEGylated compounds	<i>peg</i> caristim <i>peg</i> nartograstim <i>peg</i> visomant
-penem	antibacterial antibiotics, carbapenem derivatives	tomop <i>penem</i>
-penkin	(see -kin)	

perflu-	blood substitutes and/or diagnostics (perfluorochemicals)	perflubron perflunafene
-peridol	antipsychotics (haloperidol type)	halo peridol
-peridone	antipsychotics (risperidone type)	ris peridone ilo peridone oca peridone
-perit	neuropeptide Y receptor modulators	velne perit
subgroup:		
-neperit	neuropeptide Y5	
-perone	antianxiety agents/neuroleptics (4'-fluoro-4-piperidinobutyrophenone derivatives)	duo perone
-pertin	glycine transporter inhibitors	bito pertin
-pezil	acetylcholinesterase inhibitors used in the treatment of Alzheimer's disease	ico pezil done pezil
-pidem	hypnotics/sedatives (zolpidem type)	zolo pidem al pidem
-pin(e)	tricyclic compounds	doxe pin propize pine
-piprant	prostaglandin receptor antagonists, non prostinoid structure	laro piprant
-pirdine	5-HT ₆ inhibitors	lino pirdine besi pirdine sibo pirdine
-pirox	antimycotics (pyridone derivatives)	ciclo pirox
-pitant	(see -tant)	
-plact	platelet factor 4 analogs and derivatives	iro plact

-pladib	phospholipase A2 inhibitors	eco pladib
-planin	antibacterials (<i>Actinoplanes</i> strains)	mide planin ramo planin teico planin
-plasmin	plasmin proteins and derivatives	ocri plasmin
-platin	antineoplastics (platinum derivatives)	cis platin
-plasminin	inhibitors of plasminogen activator inhibitors – type 1	ti plasminin
-plermin	(see -ermin)	
-plestim	(see -stim)	
-plon	non-benzodiazepine anxiolytics, sedatives, hypnotics	ocina plon zale plon
-poetin	erythropoietins	e poetin alfa e poetin beta
-porfin	benzoporphyrin derivatives temo porfin	verte porfin
-pramine	antidepressants (imipramine type)	lofe pramine
-prazan	acid pump inhibitors, not dependent on acid activation	omida prazan
-prazole	antiulcer agents (benzimidazole derivatives)	ome prazole disu prazole
subgroup:		
-maprazole	acid pump inhibitors	pu maprazole
pred-, -pred- or -pred	prednisone and prednisolone derivatives	pred nicarbate clo pred inol oxiso pred
-pressin	vasoconstrictors (vasopressin derivatives)	desmo pressin
-pride	sulpiride derivatives	remo pride zaco pride

-pril	antihypertensives (ACE inhibitors)	enal pril temocap pril spira pril
-prilat	antihypertensives (ACE inhibitors) (diacid analogs of the -pril entity)	enal prilat spira prilat
-prinim	nootropic agents, purine derivatives	lete prinim
-prim	antibacterials (trimethoprim type)	ormeto prim
-prisnil	selective progesterone receptor modulators (SPRM)	aso prisnil
-pristin	antibacterials, pristinamycin derivatives	quinu pristin efe pristin
-pristone	progesterone receptor antagonists	mife pristone
-profen	anti-inflammatory/analgesic agents (ibuprofen type)	flurbi profen
-prost- or -prost	prostaglandins	riop rostit dino prost
-protafib	protein tyrosine phosphatase 1B inhibitors	erti protafib
-pultide	(see -tide)	
-proget	nonsteroidal ligand for the progesterone receptor	tana proget
-queside	cholesterol sequestrants (glycosides)	pama queside
-quiline	antibiotics, diarylquinoline structure	beda quiline
-racetam	nootropes (piracetam type)	pir racetam
-racil	uracil type antineoplastics	enil uracil gema racil ote racil
-rafenib	raf kinase inhibitors	sora rafenib
-relin	prehormones or hormone-release stimulating peptides	nafa relin

subgroups:

-morelin	growth hormone-release stimulating peptides	du morelin
-tirelin	thyrotropin releasing hormone analogues	pro tirelin
-relix	hormone-release inhibiting peptides	de tirelix
-renone	aldosterone antagonists (spironolactone type)	can renone
-restat	(see -stat)	
-retin- or -retin	retinol derivatives	et retinate pe lretin
-rev	therapeutic virus	
-tucirev	tumoricidal	lon tucirev
-rian	ryanodine receptor modulators	alad orian
-ribine	ribofuranil derivatives (pyrazofurin type)	lox oribine
rifa-	antibiotics (rifamycin derivatives)	rifapentine rifampin
-rinone	cardiotonics (amrinone type)	mil rinone
-rixin	CXCR2 modulators	repa rixin
-rocin	t-RNA synthetase inhibitors	bede rocin
-rozole	aromatase inhibitors (imidazole/triazole derivatives)	le trozole fa drozole vo rozole tala rozole
-rsen	antisense oligonucleotides	alicafo rsen

subgroup:

-virsen	antivirals	afov irsen fomiv irsen treco irsen
---------	------------	---

-rubicin	antineoplastic antibiotics (daunorubicin type)	esor rubicin idar rubicin
sal-, -sal- o -sal	anti-inflammatory agents (salicylic acid derivatives)	mesal amine diflunisal balsal azide
-sarm	selective androgen receptor modulator (non-steroidal)	enobos sarm
-sartan	angiotensin II receptor antagonists	losartan epro sartan
-semide	diuretics (furosemide type)	azose semide
-sermin	(see -ermin)	
-serod	serotonin receptor antagonists and partial agonists	pibos erod
-serpine	<i>Rauwolfia</i> alkaloid derivatives	res erpine
-sertib	serine/threonine kinase inhibitors	danu sertib toza sertib
-setrag	serotonin 5-HT receptor agonists, not principally 5-HT ₂	pumo setrag
-setron	serotonin 5-HT ₃ antagonists	ondan setron grani setron luro setron
-siban	oxytocin antagonists	barus iban
-sidomine	antianginals (sydnone derivatives)	pir sidomine mols idomine lins idomine
-sidone	antipsychotic with binding activity on serotonin (5HT _{2A}) and dopamine (D ₂) receptors	luras idone zipra sidone
som-	growth hormone derivatives	somatrem somatropin
som- -bove	bovine somatotropin derivatives	sometribove
som- -por	porcine somatotropin derivatives	sometripor

		somagrepor
-sonan	5-HT _{1B} receptor antagonists	elza sonan
-spirone	anxiolytics (buspirone type)	zalo spirone tio spirone
-spodar	(see -dar)	
-sporin	(see -closporin)	
-stat-, -stat or -stat-	enzyme inhibitors	
subgroups:		
-castat	dopamine β-hydrolase (DBH) inhibitors	nepi castat
-elestat	elastase inhibitors	sive lestat
-folastat	folate hydrolase (also called PSMA) inhibitors	io folastat 123
-gacestat	gamma secretase inhibitors	sema gacestat
-glustat	glucosyltransferase inhibitors	migl lustat
-inostat	inhibitors of histone deacetylase	daci inostat
-lanstat	lanosterol 14α-demethylase inhibitors	aza lanstat
-listat	gastrointestinal lipase inhibitors	ceti listat
-mastat	matrix metalloprotease inhibitors	bati mastat
-(a)mostat	proteolytic enzyme inhibitors	nafa mostat
-quistat	squalene synthase inhibitors	lapa quistat
-restat- or -restat	aldose-reductase inhibitors	ponal restat tol restat
-telstat	telomerase inhibitors	ime telstat
-tiostat	glutathione -s- transferase inhibitors	eza tiostat hydrochloride
-tristat	tryptophan hydroxylase inhibitors	telo tristat

-vastatin	antihyperlipidemics (HMG-CoA inhibitors)	ator vastatin lo vastatin pra vastatin
-xostat	xanthine oxydase and xanthine	febux ostat
(other series members)	<u>ure</u> ase inhibitor	ben urestat
	renal dehydropeptidase inhibitor	cila statin
	<u>pep</u> sin inhibitor	pep statin
-ster-	steroids (androgens, anabolics)	testo sterone
-steride	testosterone reductase inhibitors	epri steride fena steride
-stigmime	cholinesterase inhibitors (physostigmime type)	quilo stigmime teser stigmime
-stim	colony-stimulating factors	
subgroups:		
-distim	conjugates of two different types of colony-stimulating factors	milod istim
-gramostim	granulocyte macrophage colony-stimulating factors (GM-CSF)	mol gramostim re gramostim sar gramostim eco gramostim
-grastim	granulocyte colony-stimulating factors (G-CSF)	fil grastim leno grastim
-mostim	macrophage colony-stimulating factors (M-CSF)	miri mostim
-plestim	interleukin 3 derivatives; pleiotropic colony-stimulating factors	dani plestim
-stinel	(N-methyl-D-asparate) NMDA receptor antagonist, glycine recognition site	lico stinel
-sulam	antineoplastics, apoptosis inducing sulfonamide	indi sulam

sulfa-	antimicrobials (sulfonamides derivatives)	sulfasalazine
-sulfan	antineoplastics, alkylating agents (methanesulfonate derivatives)	busulfan
-lind	pro-apoptotic cGMP phosphodiesterase inhibitors	ractalind
subgroups:		
-sulind	antineoplastics, sulindac metabolites	exisulind dractalind
-tansine	maytansinoid derivatives	mertansine emtansine
-tant	tachykinin (neurokinin) receptor antagonists	
subgroups:		
-dutant	NK ₂ receptor antagonists	saredutant
-netant	NK ₃ receptor antagonists	osanetant
-pitant	NK ₁ receptor antagonists	dapitant zinapitant lanepitant
-tapide	microsomal triglyceride transfer protein (MTP) inhibitors	implitapide
-taxel	antineoplastics, taxane derivatives	paclitaxel
-tecan	antineoplastics (camptothecine derivatives)	topotecan irinotecan
-tecarin	antineoplastics (rebeccamycin derivatives)	becatecarin
-tepa	antineoplastics (thiotepa derivatives)	azetepa
-teplase	(see -ase)	
-termin	(see -ermin)	
-terol	bronchodilators (phenethylamine derivatives)	albuterol

-tesind	thymidilate synthetase inhibitors (benzindole derivatives)	me tesind
-texafin	texaphryn derivatives	mo texafin
-thiazide	diuretics (thiazide derivatives)	chloro thiazide
-tiapine	antipsychotics (dibenzothiazepine derivatives)	qui tiapine
-tiazem	calcium channel blockers (diltiazem type)	dil tiazem clen tiazem ipro tiazem
-tibant	antiasthmatics (bradykinin antagonists)	ica tibant
-tide	peptides	octreo tide
subgroups:		
-actide	synthetic corticotropins	ser actide
-fibatide	platelet aggregation inhibitors (glycoprotein IIb/IIIa receptor antagonists)	epti fibatide
-gaptide	gap junction protein channel modulators	roti gaptide
-glutide	GLP peptide analogs	lira glutide
-lintide	amylin derivatives or mimics	pram lintide
-murtide	peptides with muranic acid present	mifa murtide
-netide	neurologic indications	davu netide
-paratide	parathyroid hormone related peptide	sem paratide
-potide	peptides with prostate cancer indications	tiga potide
-pultide	peptides used as pulmonary surfactants	sinap pultide
-ritide	atrial natriuretic type substances	cende ritide
-zotide	zonulin antagonists	lara zotide

-tidine	H ₂ -receptor antagonists (cimetidine type) done <i>tidine</i>	lupi <i>tidine</i> rani <i>tidine</i>
-tinib	tyrosine kinase inhibitors	caner <i>tinib</i> , mubri <i>tinib</i>
-tirelin	(see -relin)	
-tirome	antihyperlipidemic, thymimetic derivatives	sobe <i>tirome</i>
-tocin	oxytocin derivatives	oxy <i>tocin</i>
-toclax	BCL-2 (B-cell lymphoma 2) inhibitors	oba <i>toclax</i> mesylate
-toin	antiepileptics (hydantoin derivatives)	albu <i>toin</i>
-toran	TLR4 receptor antagonists	erit <i>oran</i>
-tox(a)-	toxins	ur <i>tox</i> azumab
-traline	selective serotonin reuptake inhibitors (SSRI)	ser <i>traline</i>
-traposin	aP2 inhibitors	sel <i>traposin</i>
-trexate	antimetabolites (folic acid derivatives)	metho <i>trexate</i>
-trexed	antineoplastic thymidylate synthetase inhibitors	peme <i>trexed</i> rali <i>trexed</i> nola <i>trexed</i>
-tricin	antibiotics (polyene derivatives)	mepar <i>tricin</i>
-tril/-trilat	endopeptidase inhibitors	candoxa <i>tril</i> candoxa <i>trilat</i>
subgroup:		
-patril/ -patrilat	ACE (angiotensin-1 converting enzyme) and NEP (neutral endopeptidase) inhibitors	oma <i>patrilat</i>
-triptan	antimigraine agents (5-HT ₁ receptor agonists); sumatriptan derivatives	nara <i>triptan</i> oxi <i>triptan</i> suma <i>triptan</i>
-triptyline	antidepressants (dibenzo[<i>a,d</i>]cycloheptane	ami <i>triptyline</i>

	derivatives)	
-troban	antithrombotics (thromboxane A ₂ receptor antagonists)	dal troban sulot roban
-trodast	(see -ast)	
-troline	antipsychotics (dopamine D ₂ antagonists)	carvo troline gevo troline
-trombopag	thrombopoetin agonists	el trombopag
trop- or -trop-	atropine derivatives	benz tropine
-uclin	mucosal tolerance inhibitors	
-uplase	(see -ase)	
-uracil	uracil derivatives used as thyroid antagonists and as antineoplastics	fluoro uracil
-urad	urate transporter (e.g., URAT 1) inhibitors	lesin urad
-(ur)amidine -uridine	pentamidine derivatives/analogues antivirals; antineoplastics (uridine derivatives)	paf uramidine idox uridine
-vaptan	vasopressin receptor antagonists	coni vaptan relco vaptan
-vastatin	(see -stat)	
-verine	spasmolytic agents (papaverine type)	mebe verine
vin- or -vin-	vinca alkaloids	vine pidine apo vinc amine
vir-, -vir- or -vir	antivirals	ganciclo vir en vir adine vi roxime al vir cept de la vir dine

subgroups:

-amivir	neuraminidase inhibitors	zan amivir
-buvir	RNA polymerase (NS5B) inhibitor	nes buvir
-cavir	carbocyclic nucleosides	lobu cavir
-cyclovir/ -ciclovir	antivirals (acyclovir type)	des ciclovir fam ciclovir pen ciclovir
-gosivir	glucosidase inhibitor	cel gosivir
-navir	HIV protease inhibitors (saquinavir type)	droxi navir indi navir riton navir
-previr	serine protease inhibitors	boce previr , tela previr
-sporivir	cyclosporine derivatives	ali sporivir
-tegravir	integrase inhibitors	elvi tegravir
-virenz	antivirals (non-nucleoside reverse transcriptase inhibitors; benzoxazinone derivatives)	efa virenz
-vircept	(see -cept)	
-virdine	(see virine)	
-virenz	(see vir)	
-virimat	antiviral, disrupts viral maturation	be virimat
-virine	non-nucleoside reverse transcriptase inhibitors, not benzoxazinone derivatives	rilpi virine
-viroc	CCR5 antagonists	marav viroc
-criviroc	CCR5 antagonists, immunomodulators	an criviroc
-vudine	antineoplastics; antivirals (zidovudine group) (exception: edoxudine)	sta vudine lami vudine

		<i>alovudine</i>
-xaban	antithrombotic: blood coagulation factor X ^A inhibitors	tamix aban
-xanox	antiallergic respiratory tract drugs (xanoxic acid derivatives)	tix anox
-(x)antrone	antineoplastics, mitoxantrone derivatives aza-anthracenedione class of antitumor agents	pix antrone
-zolamide	carbonic anhydrase inhibitors	brinz olamide dor zolamide sez olamide
-zolast	(see -ast)	
-zolid	oxazolidinone antibacterials	epere zolid line zolid
-zomib	proteozome inhibitors	borte zomib
-zotan	5-HT _{1A} receptor agonists/antagonists acting primarily as neuroprotectors	robal zotan sariz otan ibal zotan leco zotan

*This list represents common stems for which chemical and/or pharmacologic parameters have been established. These stems and their definitions have been approved by the USAN Council and are recommended for use in coining new nonproprietary names for drugs that belong to an established series of related agents. The list is not exhaustive in that it does not include all stems used by the Council and other national or international nomenclature groups. It is the nature of the nomenclature process that new, potential stems are constantly being created and that definitions of older stems may need to be modified as new information becomes available.

2/12