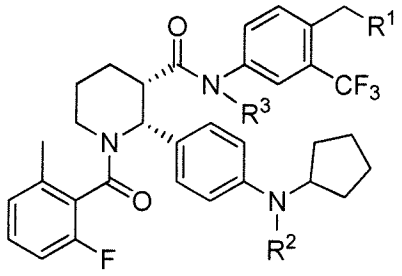
CLAIMS

1. A compound of Formula (I)



(I)

or a pharmaceutically acceptable salt thereof, wherein:

R^1 is selected from the group consisting of H, -O-CH_2-O-P(O)OR^aOR^b, -O-C(O)-C_{1-6} alkylene-L^2-X^1, O-P(O)OR^aOR^b, and -O-C(O)-A^1-(C_{1-3} alkylene)$_n$-C_{4-7} heterocyclyl wherein the C_{4-7} heterocyclyl is optionally substituted with 1 to 6 R^c groups;

A^1 is selected from the group consisting of C_{6-10} aryl, C_{3-10} cycloalkyl, C_{5-10} heteroaryl and C_{5-10} heterocyclyl, each of which is optionally substituted with 1 to 5 R^x which can be the same or different;

n=0 or 1;

L^2 is independently selected from the group consisting of a bond, -O-C(O)-C_{1-6} alkylene-, and -NR^d-C(O)-C_{1-6} alkylene-;

X^1 is independently selected from the group consisting of -NR^eR^f, -P(O)OR^aOR^b, -O-P(O)OR^aOR^b, and -CO_2H;

R^2 is selected from the group consisting of H, -L^3-C_{1-6} alkylene-L^4-X^2, -L^3- (C_{1-6} alkylene)$_m$-A^2-X^2, -P(O)OR^aOC(O)-C_{1-6} alkyl, -P(O)$OR^aNR^gR^h$ and -P(O)OR^aOR^b;

L^3 is independently selected from the group consisting of -C(O)-O-, and -C(O)-;

L^4 is independently selected from the group consisting of a bond, -O-C(O)-C_{2-6} alkenylene-, -O-C(O)-C_{1-6} alkylene-, and -NR^d-C(O)-C_{1-6} alkylene- wherein the C_{1-6} alkylene in -NR^d-C(O)-C_{1-6} alkylene- and -O-C(O)-C_{1-6} alkylene- is optionally substituted with NR^eR^f;

X^2 is independently selected from the group consisting of $-NR^kR^l$, $-P(O)OR^aOR^b$, $-O-P(O)OR^aOR^b$, and $-CO_2H$;

m=0 or 1;

A^2 is selected from the group consisting of C_{6-10} aryl, C_{3-10} cycloalkyl, C_{5-10} heteroaryl and C_{5-10} heterocyclyl, each of which is optionally substituted with 1 to 5 R^x which can be the same or different;

R^3 is H or $-L^5-P(O)OR^aOR^b$ wherein L^5 is independently selected from the group consisting of a bond and $-CH_2-O-$;

each R^x is independently selected from the group consisting of halogen, C_{1-6}alkyl, C_{1-6}haloalkyl, C_{1-6}heteroalkyl, CN, NR^yR^z, SR^y and OR^y;

each R^c is independently selected from the group consisting of halogen, C_{1-6}alkyl, C_{1-6}haloalkyl, C_{1-6}heteroalkyl, CN, NR^yR^z, SR^y and OR^y;

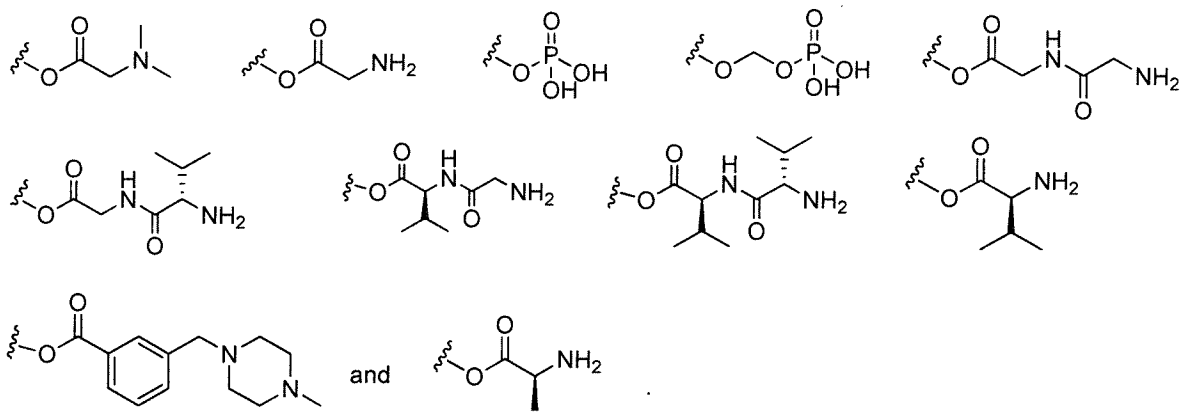
each R^a, R^b, R^d, R^e, R^f, R^g, R^k, R^l, R^y and R^z is independently selected from the group consisting of H and C_{1-6} alkyl;

each R^h is independently selected from the group consisting of H and C_{1-6} alkyl wherein the C_{1-6} alkyl is optionally substituted with 1 to 5 substituents independently selected from CO_2H, NR^iR^j, C_{6-10} aryl, C_{3-10} cycloalkyl, C_{5-10} heteroaryl and C_{5-10} heterocyclyl, wherein each R^i and R^j is independently H or C_{1-6} alkyl;

wherein two of R^1, R^2 and R^3 are H, and one of R^1, R^2 and R^3 is other than H.

2. The compound of claim **1**, or a pharmaceutically acceptable salt thereof wherein R^1 is selected from the group consisting of $O-(CO)-C_{1-6}$ alkylene-NR^eR^f, $O-(CO)-C_{1-6}$ alkylene-$NR^d(CO)-C_{1-6}$ alkylene-NR^eR^f, $O-P(O)OR^aOR^b$, $O-CH_2-O-P(O)OR^aOR^b$ and $O-(CO)-C_{6-10}$arylene- C_{1-3} alkylene- C_{4-7} heterocyclyl, wherein the C_{4-7} heterocyclyl is selected from the group consisting of piperidinyl, piperazinyl, pyrrolidinyl, morpholinyl and azetidinyl and wherein the piperidinyl, piperazinyl, pyrrolidinyl, morpholinyl and azetidinyl are optionally substituted with 1 to 6 R^c groups.

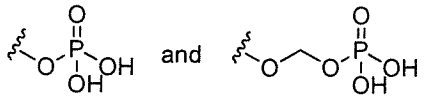
3. The compound of any one of claims **1 or 2** or a pharmaceutically acceptable salt thereof, wherein R^1 is selected from the group consisting of:



and

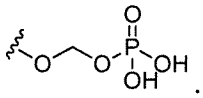
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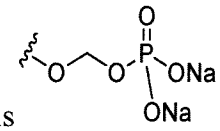
4. The compound of any one of claims **1 to 3** or a pharmaceutically acceptable salt thereof, wherein R^1 is selected from the group consisting of:



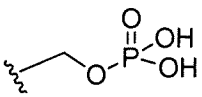
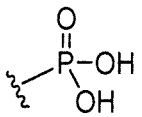
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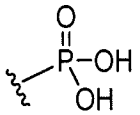
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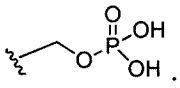
5. The compound of any one of claims **1 to 4** or a pharmaceutically acceptable salt thereof, wherein R^1 is .

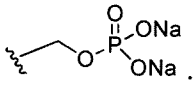
6. The compound of any one of claims **1 to 5** or a pharmaceutically acceptable salt thereof, R^1 is .

7. The compound of claim **1**, or a pharmaceutically acceptable salt thereof, wherein R^3 is selected from the group consisting of $-CH_2-O-P(O)OR^aOR^b$ and $-P(O)OR^aOR^b$.

8. The compound of any one of claims **1 or 7** or a pharmaceutically acceptable salt thereof, wherein R^3 is  or .

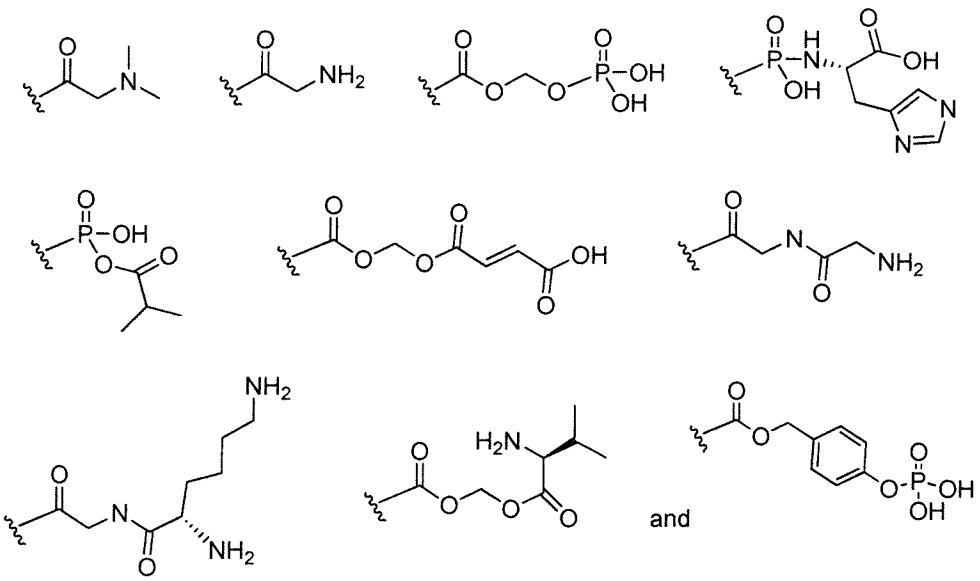
9. The compound of any one of claims **1, 7 or 8** or a pharmaceutically acceptable salt thereof, wherein R^3 is .

10. The compound of any one of claims **1 or 7 to 9** or a pharmaceutically acceptable salt thereof wherein R^3 is .

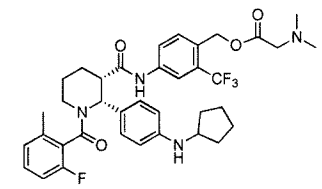
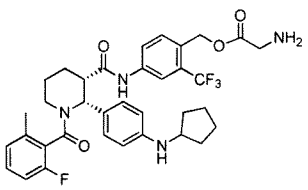
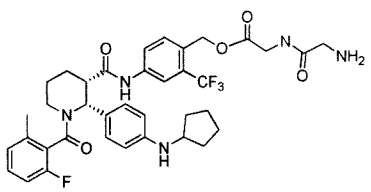
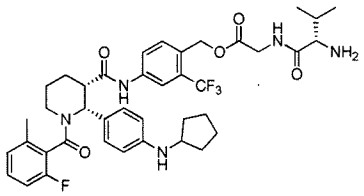
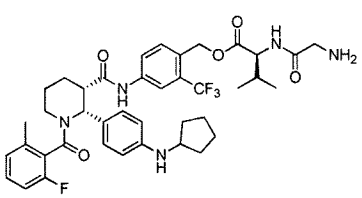
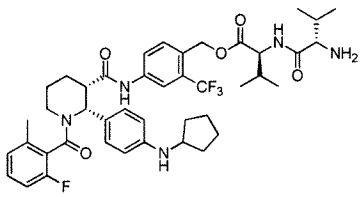
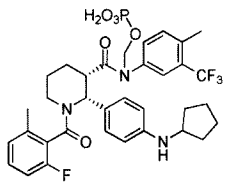
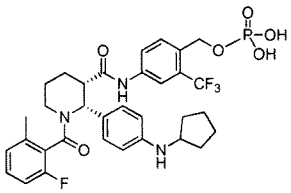
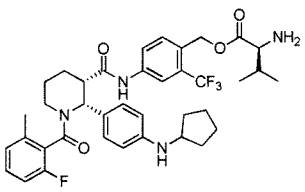
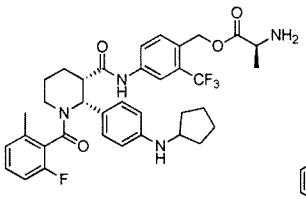
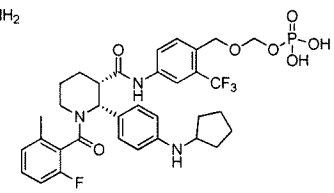
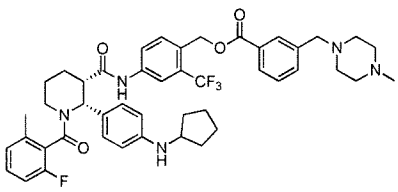
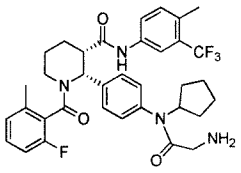
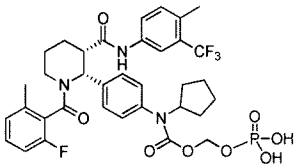
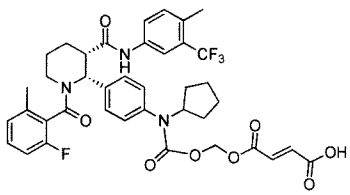
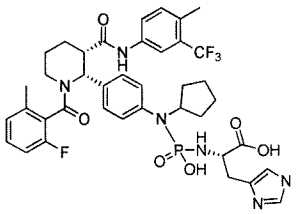
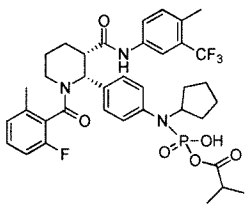
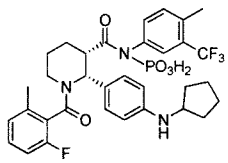
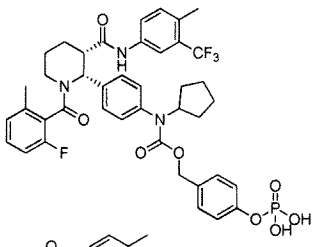
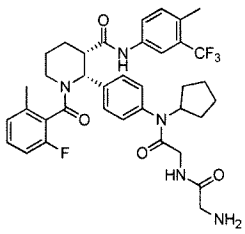
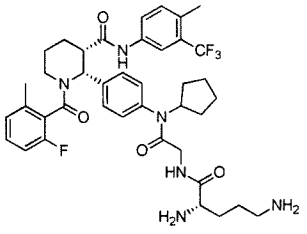
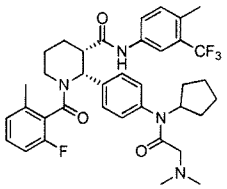
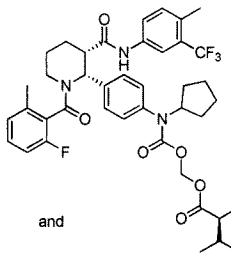
11. The compound of any one of claims **1 or 7 to 10** or a pharmaceutically acceptable salt thereof wherein R^3 is .

12. The compound of claim **1** or a pharmaceutically acceptable salt thereof, wherein R^2 is selected from the group consisting of -(CO)-C_{1-6} alkylene- NR^kR^l, -(CO)-O-C_{1-6} alkylene-O-P(O)OR^aOR^b, -P(O)OR^aO(CO)-C_{1-6} alkyl , -P(O)$OR^aNR^gR^h$, -(CO)-O-C_{1-6} alkylene-O-(CO)- C_{2-6} alkenylene-CO_2H, -(CO)-C_{1-6} alkylene-NR^d(CO)- C_{1-6} alkylene- NR^kR^l wherein the C_{1-6} alkylene- NR^kR^l may be optionally substituted by with NR^eR^f, -(CO)-O-C_{1-6} alkylene-O-(CO)- C_{1-6} alkylene-NR^kR^l, and -(CO)-O-C_{1-6} alkylene- C_{6-10} aryl-O-P(O)OR^aOR^b wherein the C_{6-10} aryl is optionally substituted with 1 to 5 R^x which can be the same or different.

13. The compound of any one of claims **1 or 12** or a pharmaceutically acceptable salt thereof, wherein R^2 is selected from the group consisting of:



14. The compound of claim **1** selected from the group consisting of:
























and
2
3

or a pharmaceutically acceptable salt thereof.

15. The compound of any one of claims **1 to 5, 7 to 10 and 12 to 14**, which is in the form of a pharmaceutically acceptable salt.

16. The compound of claim **15** wherein the pharmaceutically acceptable salt is selected from the group consisting of ammonium, calcium, magnesium, potassium, sodium, zinc, arginine, betaine, caffeine, choline, N,N'-dibenzylethylenediamine, diethylamine, 2-diethylaminoethanol, 2-dimethylaminoethanol, ethanolamine, ethylenediamine, N-ethylmorpholine, N-ethylpiperidine, glucamine, glucosamine, histidine, hydrabamine, isopropylamine, lysine, methylglucamine, morpholine, piperazine, piperadine, procaine, purines, theobromine, triethylamine, trimethylamine, tripropylamine, tromethamine, hydrochloric, carbonic, monohydrogencarbonic, phosphoric, monohydrogenphosphoric, dihydrogenphosphoric, acetic, propionic, isobutyric, malonic, benzoic, succinic, suberic, fumaric, mandelic, phthalic, benzenesulfonic, p-tolylsulfonic, citric, tartaric, methanesulfonic, arginate, glucuronic acid and galactunoric acids.

17. A pharmaceutical composition comprising a compound of any one of claims **1 to 16**, or a pharmaceutically acceptable salt thereof, and a pharmaceutically acceptable excipient.

18. The pharmaceutical composition of claim **17**, formulated for intravenous, transdermal or subcutaneous administration.

19. The pharmaceutical composition of claim **17 or 18**, further comprising one or more additional therapeutic agents.

20. The pharmaceutical composition of claim **19** wherein the one or more additional therapeutic agent is selected from the group consisting of corticosteroids, steroids, immunosuppressants, Immunoglobulin G agonists, Dipeptidyl peptidase IV inhibitors, Lymphocyte function antigen-3 receptor antagonists, Interleukin-2 ligands, Interleukin-1 beta ligand inhibitors, IL-2 receptor alpha subunit inhibitors, HGF gene stimulators, IL-6 antagonists, IL-5 antagonists, Alpha 1 antitrypsin stimulators, Cannabinoid receptor antagonists, Histone deacetylase inhibitors, AKT protein kinase inhibitors, CD20 inhibitors, Abl tyrosine kinase

inhibitors, JAK tyrosine kinase inhibitors, TNF alpha ligand inhibitors, Hemoglobin modulators, TNF antagonists, proteasome inhibitors, CD3 modulators, Hsp 70 family inhibitors, Immunoglobulin agonists, CD30 antagonists, tubulin antagonists, Sphingosine-1-phosphate receptor-1 agonists, connective tissue growth factor ligand inhibitors, caspase inhibitors, adrenocorticotrophic hormone ligands, Btk tyrosine kinase inhibitors, Complement C1s subcomponent inhibitors, Erythropoietin receptor agonists, B-lymphocyte stimulator ligand inhibitors, Cyclin-dependent kinase-2 inhibitors, P-selectin glycoprotein ligand-1 stimulators, mTOR inhibitors, Elongation factor 2 inhibitors, Cell adhesion molecule inhibitors, Factor XIII agonists, Calcineurin inhibitors, Immunoglobulin G1 agonists, Inosine monophosphate dehydrogenase inhibitors, Complement C1s subcomponent inhibitors, Thymidine kinase modulators, Cytotoxic T-lymphocyte protein-4 modulators, Angiotensin II receptor antagonists, Angiotensin II receptor modulators, TNF superfamily receptor 12A antagonists, CD52 antagonists, Adenosine deaminase inhibitors, T-cell differentiation antigen CD6 inhibitors, FGF-7 ligands, dihydroorotate dehydrogenase inhibitors, CCR5 chemokine antagonists, CCR2 chemokine antagonists, Syk tyrosine kinase inhibitors, Interferon type I receptor antagonists, Interferon alpha ligand inhibitors, Macrophage migration inhibitory factor inhibitors, Integrin alpha-V/beta-6 antagonists, Cysteine protease stimulators, p38 MAP kinase inhibitors, TP53 gene inhibitors, Shiga like toxin I inhibitors, Fucosyltransferase 6 stimulators, Interleukin 22 ligands, CXCR1 chemokine antagonists, CXCR4 chemokine antagonists, IRS1 gene inhibitors, Protein kinase C stimulators, Protein kinase C alpha inhibitors, CD74 antagonists, Immunoglobulin gamma Fc receptor IIB antagonists, T-cell antigen CD7 inhibitors, CD95 antagonists, N acetylmannosamine kinase stimulators, Cardiotrophin-1 ligands, Leukocyte elastase inhibitors, CD40 ligand receptor antagonists, CD40 ligand modulators, IL-17 antagonists, TLR-2 antagonists, Mannan-binding lectin serine protease-2 (MASP-2) inhibitors, Factor B inhibitors, Factor D inhibitors, and T cell receptor antagonists, and combinations thereof.

21. The pharmaceutical composition of any one of claims **19 or 20**, wherein the one or more additional therapeutic agent is selected from the group consisting of obinutuzumab, rituximab, ocrelizumab, cyclophosphamide, prednisone, hydrocortisone, hydrocortisone acetate, cortisone acetate, tixocortol pivalate, prednisolone, methylprednisolone, triamcinolone acetonide, triamcinolone alcohol, mometasone, amcinonide, budesonide, desonide,

fluocinonide, fluocinolone acetonide, halcinonide, betamethasone, betamethasone sodium phosphate, dexamethasone, dexamethasone sodium phosphate, fluocortolone, hydrocortisone-17-valerate, halometasone, alclometasone dipropionate, beclomethasone, betamethasone valerate, betamethasone dipropionate, prednicarbate, clobetasone-17-butyrate, clobetasol-17-propionate, fluocortolone caproate, fluocortolone pivalate, fluprednidene acetate, hydrocortisone-17-butyrate, hydrocortisone-17-aceponate, hydrocortisone-17-buteprate, ciclesonide and prednicarbate, GB-0998, immuglo, begelomab, alefacept, aldesleukin, gevokizumab, daclizumab, basiliximab, inolimomab, beperminogene perplasmid, sirukumab, tocilizumab, clazakizumab, mepolizumab, fingolimod, panobinostat, triciribine, nilotinib, imatinib, tofacitinib, momelotinib, peficitinib, itacitinib, infliximab, PEG-bHb-CO, etanercept, ixazomib, bortezomib, muromonab, otelixizumab, gusperimus, brentuximab vedotin, Ponesimod, KRP-203, FG-3019, emricasan, corticotropin, ibrutinib, cinryze, conestat, methoxy polyethylene glycol-epoetin beta, belimumab, blisibimod, atacicept, seliciclib, neihulizumab, everolimus, sirolimus, denileukin diftitox, LMB-2, natalizumab, catridecacog, ciclosporin, tacrolimus, voclosporin, voclosporin, canakinumab, mycophenolate, mizoribine, CE-1145, TK-DLI, abatacept, belatacept, olmesartan medoxomil, sparsentan, TXA-127, BIIB-023, alemtuzumab, pentostatin, itolizumab, palifermin, leflunomide, PRO-140, cenicriviroc, fostamatinib, anifrolumab, sifalimumab, BAX-069, BG-00011, losmapimod, QPI-1002, ShigamAbs, TZ-101, F-652, reparixin, ladarixin, PTX-9908, aganirsen, APH-703, sotrastaurin, sotrastaurin, milatuzumab, SM-101, T-Guard, APG-101, DEX-M74, cardiotrophin-1, tiprelestat, ASKP-1240, BMS-986004, HPH-116, KD-025, OPN-305, TOL-101, defibrotide, pomalidomide, Thymoglobulin, laquinimod, remestemcel-L, Equine antithymocyte immunoglobulin, Stempeucel, LIV-Gamma, Octagam 10%, t2c-001, 99mTc-sestamibi, Clairyg, Prosorba, pomalidomide, laquinimod, teplizumab, FCRx, solnatide, foralumab, ATIR-101, BPX-501, ACP-01, ALLO-ASC-DFU, irbesartan + propagermanium, ApoCell, cannabidiol, RGI-2001, saratin, anti-CD3 bivalent antibody-diphtheria toxin conjugate, NOX-100, LT-1951, OMS721, ALN-CC5, ACH-4471, AMY-101, Acthar gel, and CD4+CD25+ regulatory T-cells, and combinations thereof.

22. The compound of any one of claims **1** to **16** or the pharmaceutical composition of any one of claims 17 to 21 for use in therapy.

23. Use of a compound of any one of claims 1 to 16 in the preparation of a medicament for treating a mammal suffering from or susceptible to a disease or disorder involving pathologic activation of C5a receptors.

24. The use of claim **23**, wherein the disease or disorder is an inflammatory disease or disorder, an autoimmune disease, or an oncologic disease or disorder.

25. The use of claim **23**, wherein the disease or disorder is a cardiovascular or cerebrovascular disorder.

26. The use of claim **23** , wherein the disease or disorder is selected from the group consisting of neutropenia, neutrophilia, Wegener's granulomatosis, microscopic polyangiitis, C3-glomerulopathy, C3-glomerulonephritis, dense deposit disease, membranoproliferative glomerulonephritis, Kawasaki disease, sepsis, septic shock, Hemolytic uremic syndrome, atypical hemolytic uremic syndrome (aHUS), Alzheimer's disease, multiple sclerosis, stroke, inflammatory bowel disease, chronic obstructive pulmonary disorder, inflammation associated with burns, lung injury, osteoarthritis, atopic dermatitis, chronic urticaria, ischemia-reperfusion injury, acute respiratory distress syndrome, systemic inflammatory response syndrome, multiple organ dysfunction syndrome, Uveitis, tissue graft rejection, hyperacute rejection of transplanted organs, myocardial infarction, coronary thrombosis, vascular occlusion, post-surgical vascular reocclusion, artherosclerosis, polypoidal choroidal vasculopathy, traumatic central nervous system injury, ischemic heart disease, rheumatoid arthritis, systemic lupus erythematosus, Guillain- Barre syndrome, pancreatitis, lupus nephritis, lupus glomerulonephritis, psoriasis, Crohn's disease, vasculitis, ANCA vasculitis, irritable bowel syndrome, dermatomyositis, multiple sclerosis, bronchial asthma, pemphigus, pemphigoid, scleroderma, myasthenia gravis, autoimmune hemolytic and thrombocytopenic states, Goodpasture's syndrome, immuno vasculitis, Graft versus host disease, Paroxysmal nocturnal hemoglobinuria, Sjoegrens syndrome, insulin-dependent diabetes, mellitus, lupus nephropathy, Heyman nephritis, membranous nephritis, glomerulonephritis, IGA nephropathy, Membranoproliferative glomerulonephritis, Antiphospholipid syndrome, Age related macular degeneration; Dry age related macular degeneration, Wet age related macular degeneration,

Motor neurone disease, contact sensitivity responses, and inflammation resulting from contact of blood with artificial surfaces.

27. The use of claim **23**, wherein the disease or disorder is selected from the group consisting of neutropenia, neutrophilia, Wegener's granulomatosis, microscopic polyangiitis, C3-glomerulopathy, C3-glomerulonephritis, dense deposit disease, membranoproliferative glomerulonephritis, Kawasaki disease, Hemolytic uremic syndrome, atypical hemolytic uremic syndrome (aHUS), tissue graft rejection, hyperacute rejection of transplanted organs, rheumatoid arthritis, systemic lupus erythematosus, lupus nephritis, lupus glomerulonephritis, vasculitis, ANCA vasculitis, autoimmune hemolytic and thrombocytopenic states, immuno vasculitis, Graft versus host disease, lupus nephropathy, Heyman nephritis, membranous nephritis, glomerulonephritis, IGA nephropathy, Membranoproliferative and glomerulonephritis.

28. The use of claim **23**, wherein the disease or disorder is selected from the group consisting of melanoma, lung cancer, lymphoma, sarcoma, carcinoma, fibrosarcoma, liposarcoma, chondrosarcoma, osteogenic sarcoma, angiosarcoma, lymphangiosarcoma, synovioma, mesothelioma, meningioma, leukemia, lymphoma, leiomyosarcoma, rhabdomyosarcoma, squamous cell carcinoma, basal cell carcinoma, adenocarcinoma, papillary carcinoma, cystadenocarcinoma, bronchogenic carcinoma, renal cell carcinoma, hepatocellular carcinoma, transitional cell carcinoma, choriocarcinoma, seminoma, embryonal carcinoma, wilm's tumor, pleomorphic adenoma, liver cell papilloma, renal tubular adenoma, cystadenoma, papilloma, adenoma, leiomyoma, rhabdomyoma, hemangioma, lymphangioma, osteoma, chondroma, lipoma and fibroma.

29. The use of any one of claims **23 to 28**, further comprising the use of one or more additional therapeutic agents in the preparation of the medicament.

30. The use of claim **29**, wherein the one or more additional therapeutic agents is selected from the group consisting of corticosteroids, steroids, immunosuppressants, Immunoglobulin G agonists, Dipeptidyl peptidase IV inhibitors, Lymphocyte function antigen-3 receptor antagonists, Interleukin-2 ligands, Interleukin-1 beta ligand inhibitors, IL-2 receptor alpha subunit inhibitors, HGF gene stimulators, IL-6 antagonists, IL-5 antagonists, Alpha 1

antitrypsin stimulators, Cannabinoid receptor antagonists, Histone deacetylase inhibitors, AKT protein kinase inhibitors, CD20 inhibitors, Abl tyrosine kinase inhibitors, JAK tyrosine kinase inhibitors, TNF alpha ligand inhibitors, Hemoglobin modulators, TNF antagonists, proteasome inhibitors, CD3 modulators, Hsp 70 family inhibitors, Immunoglobulin agonists, CD30 antagonists, tubulin antagonists, Sphingosine-1-phosphate receptor-1 agonists, connective tissue growth factor ligand inhibitors, caspase inhibitors, adrenocorticotrophic hormone ligands, Btk tyrosine kinase inhibitors, Complement C1s subcomponent inhibitors, Erythropoietin receptor agonists, B-lymphocyte stimulator ligand inhibitors, Cyclin-dependent kinase-2 inhibitors, P-selectin glycoprotein ligand-1 stimulators, mTOR inhibitors, Elongation factor 2 inhibitors, Cell adhesion molecule inhibitors, Factor XIII agonists, Calcineurin inhibitors, Immunoglobulin G1 agonists, Inosine monophosphate dehydrogenase inhibitors, Complement C1s subcomponent inhibitors, Thymidine kinase modulators, Cytotoxic T-lymphocyte protein-4 modulators, Angiotensin II receptor antagonists, Angiotensin II receptor modulators, TNF superfamily receptor 12A antagonists, CD52 antagonists, Adenosine deaminase inhibitors, T-cell differentiation antigen CD6 inhibitors, FGF-7 ligands, dihydroorotate dehydrogenase inhibitors, CCR5 chemokine antagonists, CCR2 chemokine antagonists, Syk tyrosine kinase inhibitors, Interferon type I receptor antagonists, Interferon alpha ligand inhibitors, Macrophage migration inhibitory factor inhibitors, Integrin alpha-V/beta-6 antagonists, Cysteine protease stimulators, p38 MAP kinase inhibitors, TP53 gene inhibitors, Shiga like toxin I inhibitors, Fucosyltransferase 6 stimulators, Interleukin 22 ligands, CXCR1 chemokine antagonists, CXCR4 chemokine antagonists, IRS1 gene inhibitors, Protein kinase C stimulators, Protein kinase C alpha inhibitors, CD74 antagonists, Immunoglobulin gamma Fc receptor IIB antagonists, T-cell antigen CD7 inhibitors, CD95 antagonists, N acetylmannosamine kinase stimulators, Cardiotrophin-1 ligands, Leukocyte elastase inhibitors, CD40 ligand receptor antagonists, CD40 ligand modulators, IL-17 antagonists, TLR-2 antagonists, Mannan-binding lectin serine protease-2 (MASP-2) inhibitors, Factor B inhibitors, Factor D inhibitors, and T cell receptor antagonists, and combinations thereof.

31. The use of claim **29 or 30**, wherein the one or more additional therapeutic agent is selected from the group consisting of obinutuzumab, rituximab, ocrelizumab, cyclophosphamide, prednisone, hydrocortisone, hydrocortisone acetate, cortisone acetate, tixocortol pivalate, prednisolone, methylprednisolone, triamcinolone acetonide, triamcinolone

alcohol, mometasone, amcinonide, budesonide, desonide, fluocinonide, fluocinolone acetonide, halcinonide, betamethasone, betamethasone sodium phosphate, dexamethasone, dexamethasone sodium phosphate, fluocortolone, hydrocortisone-17-valerate, halometasone, alclometasone dipropionate, beclomethasone, betamethasone valerate, betamethasone dipropionate, prednicarbate, clobetasone-17-butyrate, clobetasol-17-propionate, fluocortolone caproate, fluocortolone pivalate, fluprednidene acetate, hydrocortisone-17-butyrate, hydrocortisone-17-aceponate, hydrocortisone-17-buteprate, ciclesonide and prednicarbate, GB-0998, immuglo, begelomab, alefacept, aldesleukin, gevokizumab, daclizumab, basiliximab, inolimomab, beperminogene perplasmid, sirukumab, tocilizumab, clazakizumab, mepolizumab, fingolimod, panobinostat, triciribine, nilotinib, imatinib, tofacitinib, momelotinib, peficitinib, itacitinib, infliximab, PEG-bHb-CO, etanercept, ixazomib, bortezomib, muromonab, otelixizumab, gusperimus, brentuximab vedotin, Ponesimod, KRP-203, FG-3019, emricasan, corticotropin, ibrutinib, cinryze, conestat, methoxy polyethylene glycol-epoetin beta, belimumab, blisibimod, atacicept, seliciclib, neihulizumab, everolimus, sirolimus, denileukin diftitox, LMB-2, natalizumab, catridecacog, ciclosporin, tacrolimus, voclosporin, voclosporin, canakinumab, mycophenolate, mizoribine, CE-1145, TK-DLI, abatacept, belatacept, olmesartan medoxomil, sparsentan, TXA-127, BIIB-023, alemtuzumab, pentostatin, itolizumab, palifermin, leflunomide, PRO-140, cenicriviroc, fostamatinib, anifrolumab, sifalimumab, BAX-069, BG-00011, losmapimod, QPI-1002, ShigamAbs, TZ-101, F-652, reparixin, ladarixin, PTX-9908, aganirsen, APH-703, sotrastaurin, sotrastaurin, milatuzumab, SM-101, T-Guard, APG-101, DEX-M74, cardiotrophin-1, tiprelestat, ASKP-1240, BMS-986004, HPH-116, KD-025, OPN-305, TOL-101, defibrotide, pomalidomide, Thymoglobulin, laquinimod, remestemcel-L, Equine antithymocyte immunoglobulin, Stempeucel, LIV-Gamma, Octagam 10%, t2c-001, 99mTc-sestamibi, Clairyg, Prosorba, pomalidomide, laquinimod, teplizumab, FCRx, solnatide, foralumab, ATIR-101, BPX-501, ACP-01, ALLO-ASC-DFU, irbesartan + propagermanium, ApoCell, cannabidiol, RGI-2001, saratin, anti-CD3 bivalent antibody-diphtheria toxin conjugate, NOX-100, LT-1951, OMS721, ALN-CC5, ACH-4471, AMY-101, Acthar gel, and CD4+CD25+ regulatory T-cells, and combinations thereof.