

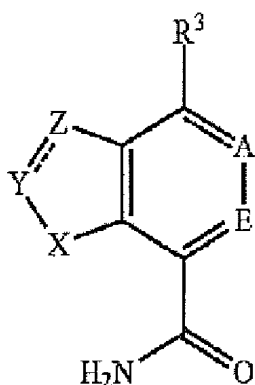
small lymphocytic lymphoma, mantle cell lymphoma, B-cell non-Hodgkin's lymphoma, activated B-cell like diffuse large B-cell lymphoma, multiple myeloma, diffuse large B-cell lymphoma, follicular lymphoma, hairy cell leukemia or Lymphoblastic lymphoma.

In a twenty-third embodiment the invention provides kit comprising a packaged product comprising components with which to administer a compound according to any of foregoing embodiments for treatment of an autoimmune disorder.

In a twenty-fourth embodiment the invention provides a kit according to the twenty-third embodiment, wherein the packaged product comprises a compound of claim 1 and instructions for use.

In a twenty-fifth embodiment the invention provides a pharmaceutical composition comprising a compound according to any of the first through twentieth embodiments and one or more pharmaceutically acceptable excipients.

In a twenty-sixth embodiment the invention provides a compound of Formula (I):



or a pharmaceutically acceptable salt thereof, wherein:

X is NR^2 ;

Y is CR^1 , and Z is CR^1 ;

A is CR^4 ;

E is CR^5 ;

R^1 is independently H, deuterium, CN, halogen, CF_3 , $-\text{NR}^c\text{R}^c$, $-\text{N}(\text{R}^a)\text{C}(\text{O})\text{R}^b$, optionally substituted (C_1-C_6) alkyl, optionally substituted (C_2-C_6) alkenyl, optionally substituted (C_3-C_6) cycloalkyl, optionally substituted (C_3-C_6) cycloalkenyl, optionally substituted heteroaryl, or optionally substituted saturated or partially saturated heterocyclyl;

R^2 is independently H, deuterium, or optionally substituted (C_1-C_3) alkyl;

R^3 is $-\text{R}^{301}-\text{L}-\text{R}^{302}$ wherein

R^{301} is a bond, and

L is optionally substituted phenyl, optionally substituted (C_3-C_6) cycloalkyl, optionally

substituted heteroaryl or a saturated or partially saturated heterocyclyl containing one or more heteroatoms, at least one of which is nitrogen; or

L is $-L^1-L^2$ wherein L^1 is attached to R^{301} and

L^1 is optionally substituted phenyl, optionally substituted heteroaryl or optionally substituted saturated or partially saturated carbocycle or a saturated or partially saturated heterocyclyl; and

L^2 is a bond, CH_2 , NR^d , $CH_2N(H)$, $S(O)_2N(H)$, or $-O-$;

R^{302} is $-C(O)CH=CH_2$, $-C(O)C\equiv CH$, $-C(O)CH=CHCl$, $-C(O)CH=CHCH_3$, $-C(O)C(=CH_2)CH_3$, $-C(O)C(CH_2CH_3)=CH_2$, $-C(O)CH=CHCH(CH_3)_2$, $-C(O)CH=CHC(O)OH$, $-C(O)CH=CHC(O)N(H)CH_2CH_3$, $-C(O)CH=CHCH_2N(CH_3)_2C(O)CH=CHC(O)OCH_3$, $-C(O)CH=CHC(O)OCH_2CH_3$, $-C(O)CH=CHC(O)N(H)CH_3$, $-C(O)CH=CHC(O)CH_2CH_2OCH_3$, $-C(O)CH=CHC(O)N(CH_3)_2$, $-C(O)CH=CHC(O)N(H)CH_2CH_3$, $-C(O)CH=CHC(O)N(H)CH_2CH_2OCH_3$, $-C(O)CH=CHCH_2N(H)CH_2CH_2OCH_3$, $-C(O)C(CN)=C(OH)(CH_3)$, $-C(O)CH=CH$ -pyrazolyl, $-C(O)CH=CHCH_2N(H)$ -cyclopropyl, $-C(O)CH=CHCH_2N(H)CH_2$ -tetrahydrofuranyl, $-C(O)CH=CHC(O)NH_2$, $-C(O)CH=CHC(O)N(H)$ -cyclopropyl, $-C(O)C(CH_3)=CHCH_3$, $-C(O)C(CH_3)=CHCH_2CH_3$, $-C(O)C(=CH_2)CH_2N(CH_3)_2$, $-C(O)C(=CH_2)CH_2NH_2$, $-C(O)C(=CH_2)CH_2N(H)(CH_3)$, $-C(O)C(=CH_2)CH_3$, $-C(O)C(=CH_2)CH_2$ -morpholinyl, $-C(O)C(=CH_2)$ -phenyl, $-C(O)CH=CH$ cyclopropyl, $-C(O)CH=CHCH_2$ -morpholinyl, $-C(O)CH=CHCH_2$ -piperidinyl, $-C(O)CH=CH$ -pyrazolyl, $-C(O)CH=CH$ -pyridinyl, or $-C(O)CH=CH$ -thiazolyl;

R^4 is H, deuterium, CN, optionally substituted (C_1 - C_3)alkyl, optionally substituted (C_3 - C_6) cycloalkyl or optionally substituted saturated or partially saturated heterocyclyl, or optionally substituted heteroaryl;

wherein the optionally substituted saturated or partially saturated heterocyclyl;

and optionally substituted heteroaryl contain at least one nitrogen atom;

R^5 is H, deuterium, halogen, or optionally substituted (C_1 - C_3)alkyl;

R^a is independently selected from H, $-C(O)$ -optionally substituted (C_2 - C_6)alkenyl, optionally substituted (C_1 - C_6)alkyl, $-(CH_2)_n$ -optionally substituted (C_3 - C_6)cycloalkyl, $-(CH_2)_n$ -optionally substituted heterocyclyl, or $-(CH_2)_n$ -optionally substituted heteroaryl;

R^b is H, optionally substituted (C_1 - C_6)alkyl, optionally substituted (C_2 - C_6)alkenyl, optionally substituted (C_2 - C_6)alkynyl, $-CH_2-O$ -optionally substituted aryl, or $-CH_2-O$ -optionally substituted heteroaryl;

R^c is independently H, optionally substituted (C_1 - C_6)alkyl, optionally substituted (C_3 -

C₆)cycloalkyl, optionally substituted saturated or partially saturated heterocyclyl, optionally substituted aryl or optionally substituted heteroaryl;

R^d is H, optionally substituted heterocyclyl, —(CH₂)—optionally substituted (C₃-C₆)cycloalkyl, —(CH₂)—optionally substituted heteroaryl or optionally substituted (C₁-C₃)alkyl; and

n is independently 0 or 1,

wherein the optional substituent is one or more groups independently selected from (C₁-C₈)alkyl groups, (C₂-C₃)alkenyl groups, (C₂-C₈)alkynyl groups, (C₃-C₁₀)cycloalkyl groups, halogen, halogenated (C₁-C₈)alkyl groups, —CF₃, —O—(C₁-C₈)alkyl groups, =O, =CH₂, —OH, —CH₂OH, —CH₂NH₂, (C₁-C₄)alkyl-OH, —CH₂CH(OH)CH₂OH, —CH₂CH₂OCH₂CH₃, —S—(C₁-C₈)alkyl groups, —SH, —NH(C₁-C₈)alkyl groups, —N((C₁-C₈)alkyl)₂ groups, —NH₂, —C(O)NH₂, —CH₂NHC(O)(C₁-C₄)alkyl, —CH₂NHC(O)CH₂Cl, —CH₂NHC(O)CH₂CN, —CH₂NHC(O)CH₂CH₂N(CH₃)₂, —CH₂NHC(O)C(=CH₂)CH₃, —CH₂NHC(O)CH=CH₂, —CH₂NHC(O)CH=CHCH₃, —CH₂NHC(O)(C₂-C₄)alkynyl, —CH₂NHC(O)CH₂CH₂-piperidinyl, —(C₁-C₄)alkyl-morpholinyl, (C₁-C₄)alkoxy, —C(O)(C₁-C₄)alkyl, —C(O)(C₁-C₄)alkoxy, —C(O)N(H)₂, —C(O)N(CH₃)₂, —C(O)(C₁-C₆)heteroaryl, —C(O)-morpholinyl, —C(O)-pyrrolidinyl, —N(CH₃)₂, —NHC(O)(C₁-C₄)alkyl, —NHC(O)(C₂-C₄)alkenyl, —NHC(O)CH₂CN, —S(O)₂(C₁-C₄)alkyl, —S(O)₂(C₁-C₆)heteroaryl, —S(O)₂(C₁-C₆)heterocyclyl, 4-methylpiperazinecarbonyl, —(C₁-C₄)alkylCN, —(C₁-C₄)alkylC(O)NH₂, —C(O)NH(C₁-C₈)alkyl groups, —C(O)N((C₁-C₈)alkyl)₂, —C(O)N(H)(C₃-C₈)cycloalkyl groups, —C(O)(C₁-C₄)alkoxy, —NHC(O)H, —NHC(O)(C₁-C₈)alkyl groups, —NHC(O)(C₃-C₈)cycloalkyl groups, —N((C₁-C₈)alkyl)C(O)H, —N((C₁-C₈)alkyl)C(O)(C₁-C₈)alkyl groups, —NHC(O)NH₂, —NHC(O)NH(C₁-C₈)alkyl groups, —N((C₁-C₈)alkyl)C(O)NH₂ groups, —NHC(O)N((C₁-C₈)alkyl)₂ groups, —N((C₁-C₈)alkyl)C(O)N((C₁-C₈)alkyl)₂ groups, —N((C₁-C₈)alkyl)C(O)NH((C₁-C₈)alkyl), —NHCH₂-heteroaryl, benzyl, —OCH₂-heteroaryl, benzyloxy, —C(O)H, —C(O)(C₁-C₈)alkyl groups, —CN, —NO₂, —S(O)(C₁-C₈)alkyl groups, —S(O)₂(C₁-C₈)alkyl groups, —S(O)₂N((C₁-C₈)alkyl)₂ groups, —S(O)₂NH(C₁-C₈)alkyl groups, —S(O)₂NH(C₃-C₈)cycloalkyl groups, —S(O)₂NH₂ groups, —NHS(O)₂(C₁-C₈)alkyl groups, —N((C₁-C₈)alkyl)S(O)₂(C₁-C₈)alkyl groups, —(C₁-C₈)alkyl-O—(C₁-C₈)alkyl groups, —O—(C₁-C₈)alkyl-O—(C₁-C₈)alkyl groups, —C(O)OH, —C(O)O(C₁-C₈)alkyl groups, NHOH, NHO(C₁-C₈)alkyl groups, O-halogenated (C₁-C₈)alkyl groups, —OCF₃, —S(O)₂-halogenated (C₁-C₈)alkyl groups, —S(O)₂CF₃, —S-halogenated (C₁-C₈)alkyl groups, —SCF₃, (C₁-C₆)heterocyclyl, pyrrolidine, tetrahydrofuran, pyran, morpholine, —(C₁-C₆)heteroaryl, tetrazole, imidazole, furan, pyrazine, pyrazole, -phenyl, benzyl, —NHC(O)O—(C₁-C₆)alkyl groups, —N((C₁-C₆)alkyl)C(O)O—(C₁-C₆)alkyl groups, —C(=NH)—(C₁-C₆)alkyl groups, —C(=NOH)—(C₁-C₆)alkyl groups, —C(=N—O—(C₁-C₆)alkyl)-(C₁-C₆)alkyl groups, C(O)-heterocyclyl, or —CH₂NHC(O)CH₂O-phenyl wherein the phenyl is optionally substituted with halogen.

In a twenty-seventh embodiment the invention provides a compound selected from 4-((1-acryloylazetidin-3-yl)(methyl)amino)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

(R)-4-(3-acrylamidopiperidin-1-yl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

4-(2-methyl-3-(N-(thiazol-2-ylmethyl)acrylamido)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

4-(3-methacrylamido-2-methylphenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

(Z)-4-(3-(3-chloroacrylamido)-2-methylphenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(4,4-difluorocyclohex-1-enyl)-1H-indole-7-carboxamide;

4-(2-(acrylamidomethyl)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

4-(2-acrylamidophenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

4-(3-(acrylamidomethyl)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamidophenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(2-methoxypyridin-3-yl)-1H-indole-7-carboxamide;

methyl 3-(4-(3-acrylamido-2-methylphenyl)-7-carbamoyl-1H-indol-2-yl)benzoate;

4-(3-acrylamido-2-methylphenyl)-2-(3-methoxyphenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(4-methoxyphenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-6-methylpyridin-3-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(3-carbamoylphenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(3,5-dimethylisoxazol-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1-(tetrahydro-2H-pyran-2-yl)-1H-pyrazol-5-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(3,5-dimethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1-isopropyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1,3-dimethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1-ethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1-isobutyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

N-(3-(7-carbamoyl-3-methacrylamido-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(2-fluoropyridin-3-yl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(1-ethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

2-(3-acetamidophenyl)-4-(3-acrylamido-2-methylphenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(2-methoxypyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-cyanophenyl)-1H-indole-7-carboxamide;
 methyl 4-(4-(3-acrylamido-2-methylphenyl)-7-carbamoyl-1H-indol-2-yl)benzoate;
 4-(3-acrylamido-2-methylphenyl)-2-(2,3-dihydrobenzofuran-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-fluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-(dimethylamino)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-methyl-5-(pyrrolidin-1-ylsulfonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-fluorophenyl)-1H-indole-7-carboxamide;
 N-(3-(3-acrylamido-7-carbamoyl-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-methyl-1H-pyrazol-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(pyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-(2-morpholinoethyl)-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(6-morpholinopyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-(4-methylpiperazine-1-carbonyl)phenyl)-1H-indole-7-carboxamide;
 N-(3-(2-(2-(acrylamidomethyl)phenyl)-7-carbamoyl-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 N-(3-(7-carbamoyl-2-(2-(methacrylamidomethyl)phenyl)-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-fluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-phenyl-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-(methylsulfonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(dimethylcarbamoyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(pyrimidin-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(pyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(morpholine-4-carbonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(pyrrolidine-1-carbonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(4-methylpiperazine-1-carbonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(methylsulfonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-6-methoxypyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(2-acrylamidophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(morpholinomethyl)phenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(4-carbamoylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-(thiazol-2-ylmethylamino)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(2-methyl-3-(N-methylacrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-(N-methylacrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-methacrylamido-2-methylphenyl)-1H-indole-7-carboxamide;
 (E)-4-(3-(3-cyclopropylacrylamido)-2-methylphenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(pyridin-2-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(1-methyl-1H-pyrazol-4-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(pyridin-3-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(thiazol-2-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(2-methyl-3-(2-phenylacrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-(benzyloxy)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-(benzyloxy)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-(thiazol-2-ylmethoxy)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-(thiazol-2-ylmethoxy)phenyl)-1H-indole-7-carboxamide;
 4-(2-acrylamido-4-(thiazol-2-ylmethoxy)phenyl)-1H-indole-7-carboxamide;
 4-(2-acrylamido-4-(benzyloxy)phenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamidopyridin-3-yl)-1H-indole-7-carboxamide;
 4-(2-acrylamidopyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-(N-isobutylacrylamido)phenyl)-1H-indole-7-carboxamide;
 1-Acryloyl-1,2,3,6-tetrahydro-pyrrolo[2,3-e]indole-5-carboxylic acid amide;
 4-acrylamido-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-fluorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2-fluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-fluorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2-chlorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2,4-difluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2,6-difluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-methylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-methylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-chlorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2,3-difluorophenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-5-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-vinyl-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-ethyl-1H-indole-7-carboxamide;
 4-(3-(2-(morpholinomethyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-(2-((dimethylamino)methyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(1R,3S)-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(cis-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-((1S,3S)-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(trans-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(cis-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(3-(2-(aminomethyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(1R,3S)-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(3-(2-((methylamino)methyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-methyl-1H-indole-7-carboxamide;
 4-((1S,3S)-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-(2-ethoxyethyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-(2-hydroxyethyl)-1H-indole-7-carboxamide;
 4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-isopropyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-(N-(cyclopentylmethyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(cis-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(trans-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(trans-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 (S)-4-(1-(1-acryloylazetid-3-yl)ethyl)-1H-indole-7-carboxamide;
 (R)-4-(1-(1-acryloylazetid-3-yl)ethyl)-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpiperidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpiperidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(4-acryloylmorpholin-2-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 (S)-4-(4-acryloylmorpholin-2-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpyrrolidin-3-yl)-2-(6,7-dihydro-4H-pyrazolo-[5,1-c][1,4]oxazin-2-yl)-1H-indole-7-carboxamide;
 2-methyl-4-(methyl(1-propiolylazetid-3-yl)amino)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpyrrolidin-3-yl)-2-(6,7-dihydro-4H-pyrazolo[5,1-c][1,4]oxazin-2-yl)-1H-indole-7-carboxamide;

(S)-4-(4-acryloyl-1,4-oxazepan-6-yl)-1H-indole-7-carboxamide;
 4-((3S,5R)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;
 4-((3S,5S)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;
 4-((3R,5S)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;
 4-((3R,5R)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpyrrolidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpyrrolidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-((1R,3R)-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(isochroman-7-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(6,7-dihydro-4H-pyrazolo[5,1-c][1,4]oxazin-2-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(4,4-difluorocyclohex-1-en-1-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(4-(methylsulfonyl)cyclohex-1-en-1-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(6-morpholinopyridin-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(7,8-dihydro-5H-pyrano[4,3]pyridin-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(chroman-7-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(5-(morpholinomethyl)pyridin-2-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(1-methyl-1H-pyrazol-5-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(2-ethyl-1,2,3,4-tetrahydroisoquinolin-6-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(1,3-dimethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(1,1-dioxidotetrahydro-2H-thiopyran-4-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(1-propylpiperidin-4-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetid-3-yl)(methylamino)-2-(tetrahydrofuran-3-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(3-hydroxyoxetan-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(4-acryloyl-1,4-oxazepan-6-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpyrrolidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpyrrolidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 4-((1R,5S)-6-acryloyl-3,6-diazabicyclo[3.2.0]heptan-3-yl)-1H-indole-7-carboxamide;
 4-(1S,5R)-6-acryloyl-3,6-diazabicyclo[3.2.0]heptan-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloyl-3-methylazetidin-3-yl)(methyl)amino)-1H-indole-7-carboxamide;
 (S)-4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(tetrahydrofuran-3-yl)-1H-indole-7-carboxamide;
 (R)-4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(tetrahydrofuran-3-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide, or a pharmaceutically acceptable salt thereof.

In a twenty-eighth embodiment the invention provides a kit comprising a packaged product comprising components with which to administer a compound as described herein for treatment of a disease, wherein the disease is mantle cell lymphoma, chronic lymphocytic leukemia, small lymphocytic lymphoma, follicular lymphoma, diffuse large B-cell lymphoma, or multiple myeloma.

In a twenty-ninth embodiment the invention provides a compound or a pharmaceutically acceptable salt thereof, wherein the compound is (S)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide.

In a thirtieth embodiment the invention provides a compound or a pharmaceutically acceptable salt thereof, wherein the compound is (R)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide.

In a thirty-first embodiment the invention provides a compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide.

In a thirty-second embodiment the invention provides a compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-((1-acryloylazetidin-3-yl)(methyl)amino)-1H-indole-7-carboxamide.

In a thirty-third embodiment the invention provides a compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-(3-acrylamidophenyl)-2-(2-hydroxyethyl)-1H-indole-7-carboxamide.

In a thirty-fourth embodiment the invention provides a compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-(3-acrylamidophenyl)-2-ethyl-1H-indole-7-carboxamide.

DETAILED DESCRIPTION OF THE INVENTION

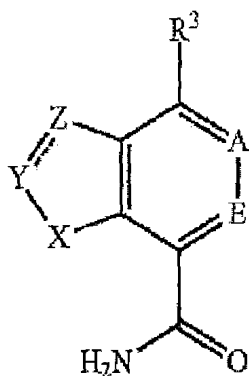
Protein kinases are a broad and diverse class, of over 500 enzymes, that include oncogenes, growth factors receptors, signal transduction intermediates, apoptosis related kinases and cyclin dependent kinases. They are responsible for the transfer of a phosphate group to specific tyrosine, serine or threonine amino acid residues, and are broadly classified as tyrosine and serine/threonine kinases as a result of their substrate specificity.

The protein kinases represent a large family of proteins that play a central role in the regulation of a wide variety of cellular processes and maintenance of cellular function. A partial, non-limiting, list of these kinases include: non-receptor tyrosine kinases such as the Tec family (BTK, ITK, Tec, ETK/BMX & RLK/TKK), Janus kinase family (Jak1, Jak2, Jak3 and Tyk2); the fusion kinases, such as BCR-Abl, focal adhesion kinase (FAK), Fes, Lck and Syk; receptor tyrosine kinases such as epidermal growth factor receptor (EGFR), the platelet-derived growth factor receptor kinase (PDGF-R), the receptor kinase for stem cell factor, c-kit, the hepatocyte growth factor receptor, c-Met, and the fibroblast growth factor receptor, FGFR3; and serine/threonine kinases such as b-RAF, mitogen-activated protein kinases (*e.g.*, MKK6) and SAPK2 β . Aberrant kinase activity has been observed in many disease states including benign and malignant proliferative disorders as well as diseases resulting from inappropriate activation of the immune and nervous systems. The novel compounds of this invention inhibit the activity of one or more protein kinases and are, therefore, expected to be useful in the treatment of kinase-mediated diseases.

Bruton's tyrosine kinase (BTK) is a non-receptor tyrosine kinase with a key role in immunoreceptor signaling (BCR, Fc ϵ R, Fc γ R, DAP12, Dectin-1, GPVI, etc.) in a host of hematopoietic cells including B cells, platelets, mast cells, basophils, eosinophils, macrophages and neutrophils as well as osteoclasts involved in bone destruction (for reviews, see Brunner *et al.*, 2005 *Histol. Histopathol.*, 20:945, Mohamed *et al.*, 2009 *Immunol. Rev.*, 228:58). Mutations in BTK are

WHAT IS CLAIMED:

1. A compound of Formula (I):



or a pharmaceutically acceptable salt thereof, wherein:

X is $\mathbb{NR}^2$:

Y is $\mathbb{C}R^1$, and Z is $\mathbb{C}R^1$;

A is CR^4 :

 E is $\mathbb{C}R^5$;

R¹ is independently H, deuterium, CN, halogen, CF³, —NR^cR^c, —N(R^a)C(O)R^b, optionally substituted (C₁–C₆)alkyl, optionally substituted (C₂–C₆)alkenyl, optionally substituted (C₃–C₆)cycloalkyl, optionally substituted (C₃–C₆)cycloalkenyl, optionally substituted heteroaryl, or optionally substituted saturated or partially saturated heterocyclyl;

R² is independently H, deuterium, or optionally substituted (C₁-C₃)alkyl;

R^3 is $-R^{301}-L-R^{302}$ wherein

R^{301} is a bond, and

L is optionally substituted phenyl, optionally substituted (C₃-C₆)cycloalkyl, optionally substituted heteroaryl or a saturated or partially saturated heterocyclyl containing one or more heteroatoms, at least one of which is nitrogen; or

L is $-L^1-L^2$ wherein L^1 is attached to R^{301} and

L¹ is optionally substituted phenyl, optionally substituted heteroaryl or optionally substituted saturated or partially saturated carbocycle or a saturated or partially saturated heterocyclyl; and

L^2 is a bond, CH_2 , NR^d , $CH_2N(H)$, $S(O)_2N(H)$, or $-O-$;

R^{302} is $-C(O)CH=CH_2$, $-C(O)C\equiv CH$, $-C(O)CH=CHCl$, $-C(O)CH=CHCH_3$, $-$

$$\text{C(O)C(=CH}_2\text{)CH}_3, -\text{C(O)C(CH}_2\text{CH}_3\text{)=CH}_2, -\text{C(O)CH=CHCH(CH}_3\text{)}_2, -$$
$$\text{C(O)CH=CHC(O)OH}, -\text{C(O)CH=CHC(O)N(H)CH}_2\text{CH}_3, -$$
$$\text{C(O)CH=CHCH}_2\text{N(CH}_3)_2\text{C(O)CH=CHC(O)OCH}_3, -\text{C(O)CH=CHC(O)OCH}_2\text{CH}_3, -$$
$$\text{C(O)CH=CHC(O)N(H)CH}_3, -\text{C(O)CH=CHC(O)CH}_2\text{CH}_2\text{OCH}_3, -$$
$$\text{C(O)CH=CHC(O)N(CH}_3)_2, -\text{C(O)CH=CHC(O)N(H)CH}_2\text{CH}_3, -$$

C(O)CH=CHC(O)N(H)CH₂CH₂OCH₃, —C(O)CH=CHCH₂N(H)CH₂CH₂OCH₃, —C(O)C(CN)=C(OH)(CH₃), —C(O)CH=CH-pyrazolyl, —C(O)CH=CHCH₂N(H)-cyclopropyl, —C(O)CH=CHCH₂N(H)CH₂-tetrahydrofuranyl, —C(O)CH=CHC(O)NH₂, —C(O)CH=CHC(O)N(H)-cyclopropyl, —C(O)C(CH₃)=CHCH₃, —C(O)C(CH₃)=CHCH₂CH₃, —C(O)C(=CH₂)CH₂N(CH₃)₂, —C(O)C(=CH₂)CH₂NH₂, —C(O)C(=CH₂)CH₂N(H)(CH₃), —C(O)C(=CH₂)CH₃, —C(O)C(=CH₂)CH₂-morpholinyl, —C(O)C(=CH₂)-phenyl, —C(O)CH=CH cyclopropyl, —C(O)CH=CHCH₂-morpholinyl, —C(O)CH=CHCH₂-piperidinyl, —C(O)CH=CH -pyrazolyl, —C(O)CH=CH-pyridinyl, or —C(O)CH=CH-thiazolyl;

R⁴ is H, deuterium, CN, optionally substituted (C₁-C₃)alkyl, optionally substituted (C₃-C₆) cycloalkyl or optionally substituted saturated or partially saturated heterocyclyl, or optionally substituted heteroaryl;

wherein the optionally substituted saturated or partially saturated heterocyclyl;

and optionally substituted heteroaryl contain at least one nitrogen atom;

R⁵ is H, deuterium, halogen, or optionally substituted (C₁-C₃)alkyl;

R^a is independently selected from H, —C(O)-optionally substituted (C₂-C₆)alkenyl, optionally substituted (C₁-C₆)alkyl, —(CH₂)_n-optionally substituted (C₃-C₆)cycloalkyl, —(CH₂)_n-optionally substituted heterocyclyl, or —(CH₂)_n-optionally substituted heteroaryl;

R^b is H, optionally substituted (C₁-C₆)alkyl, optionally substituted (C₂-C₆)alkenyl, optionally substituted (C₂-C₆)alkynyl, —CH₂—O-optionally substituted aryl, or —CH₂—O-optionally substituted heteroaryl;

R^c is independently H, optionally substituted (C₁-C₆)alkyl, optionally substituted (C₃-C₆)cycloalkyl, optionally substituted saturated or partially saturated heterocyclyl, optionally substituted aryl or optionally substituted heteroaryl;

R^d is H, optionally substituted heterocyclyl, —(CH₂)-optionally substituted (C₃-C₆)cycloalkyl, —(CH₂)-optionally substituted heteroaryl or optionally substituted (C₁-C₃)alkyl; and

n is independently 0 or 1,

wherein the optional substituent is one or more groups independently selected from (C₁-C₈)alkyl groups, (C₂-C₈)alkenyl groups, (C₂-C₈)alkynyl groups, (C₃-C₁₀)cycloalkyl groups, halogen, halogenated (C₁-C₈)alkyl groups, —CF₃, —O—(C₁-C₈)alkyl groups, =O, =CH₂, —OH, —CH₂OH, —CH₂NH₂, (C₁-C₄)alkyl-OH, —CH₂CH(OH)CH₂OH, —CH₂CH₂OCH₂CH₃, —S—(C₁-C₈)alkyl groups, —SH, —NH(C₁-C₈)alkyl groups, —N((C₁-C₈)alkyl)₂ groups, —NH₂, —C(O)NH₂, —CH₂NHC(O)(C₁-C₄)alkyl, —CH₂NHC(O)CH₂Cl, —CH₂NHC(O)CH₂CN, —CH₂NHC(O)CH₂CH₂N(CH₃)₂, —CH₂NHC(O)C(=CH₂)CH₃, —CH₂NHC(O)CH=CH₂, —CH₂NHC(O)CH=CHCH₃, —CH₂NHC(O)(C₂-C₄)alkynyl, —CH₂NHC(O)CH₂CH₂-piperidinyl, —(C₁-C₄)alkyl-morpholinyl, (C₁-C₄)alkoxy, —C(O)(C₁-C₄)alkyl, —C(O)(C₁-C₄)alkoxy, —C(O)N(H)₂, —C(O)N(CH₃)₂, —C(O)(C₁-C₆)heteroaryl, —C(O)-morpholinyl, —C(O)-pyrrolidinyl,

—N(CH₃)₂, —NHC(O)(C₁-C₄)alkyl, —NHC(O)(C₂-C₄)alkenyl, —NHC(O)CH₂CN, —S(O)₂(C₁-C₄)alkyl, —S(O)₂(C₁-C₆)heteroaryl, —S(O)₂(C₁-C₆)heterocyclyl, 4-methylpiperazinecarbonyl, -(C₁-C₄)alkylCN, —(C₁-C₄)alkylC(O)NH₂, —C(O)NH(C₁-C₈)alkyl groups, —C(O)N((C₁-C₈)alkyl)₂, —C(O)N(H)(C₃-C₈)cycloalkyl groups, —C(O)(C₁-C₄)alkoxy, —NHC(O)H, —NHC(O)(C₁-C₈)alkyl groups, —NHC(O)(C₃-C₈)cycloalkyl groups, —N((C₁-C₈)alkyl)C(O)H, —N((C₁-C₈)alkyl)C(O)(C₁-C₈)alkyl groups, —NHC(O)NH₂, —NHC(O)NH(C₁-C₈)alkyl groups, —N((C₁-C₈)alkyl)C(O)NH₂ groups, —NHC(O)N((C₁-C₈)alkyl)₂ groups, —N((C₁-C₈)alkyl)C(O)N((C₁-C₈)alkyl)₂ groups, —N((C₁-C₈)alkyl)C(O)NH((C₁-C₈)alkyl), —NHCH₂-heteroaryl, benzyl, —OCH₂-heteroaryl, benzyloxy, —C(O)H, —C(O)(C₁-C₈)alkyl groups, —CN, —NO₂, —S(O)(C₁-C₈)alkyl groups, —S(O)₂(C₁-C₈)alkyl groups, —S(O)₂N((C₁-C₈)alkyl)₂ groups, —S(O)₂NH(C₁-C₈)alkyl groups, —S(O)₂NH(C₃-C₈)cycloalkyl groups, —S(O)₂NH₂ groups, —NHS(O)₂(C₁-C₈)alkyl groups, —N((C₁-C₈)alkyl)S(O)₂(C₁-C₈)alkyl groups, —(C₁-C₈)alkyl-O—(C₁-C₈)alkyl groups, —O—(C₁-C₈)alkyl-O—(C₁-C₈)alkyl groups, —C(O)OH, —C(O)O(C₁-C₈)alkyl groups, NHOH, NHO(C₁-C₈)alkyl groups, —O-halogenated (C₁-C₈)alkyl groups, —OCF₃, —S(O)₂-halogenated (C₁-C₈)alkyl groups, —S(O)₂CF₃, —S-halogenated (C₁-C₈)alkyl groups, —SCF₃, (C₁-C₆)heterocyclyl, pyrrolidine, tetrahydrofuran, pyran, morpholine, —(C₁-C₆)heteroaryl, tetrazole, imidazole, furan, pyrazine, pyrazole, -phenyl, benzyl, —NHC(O)O—(C₁-C₆)alkyl groups, —N((C₁-C₆)alkyl)C(O)O—(C₁-C₆)alkyl groups, —C(=NH)—(C₁-C₆)alkyl groups, —C(=NOH)—(C₁-C₆)alkyl groups, —C(=N—O—(C₁-C₆)alkyl)-(C₁-C₆)alkyl groups, C(O)-heterocyclyl, or —CH₂NHC(O)CH₂O-phenyl wherein the phenyl is optionally substituted with halogen.

2. The compound according to claim 1 wherein

L is optionally substituted azetidiny, optionally substituted cyclopentyl, optionally substituted 3,6-diazabicyclo[3.2.0]heptanyl, optionally substituted 1,4-dioxanyl, optionally substituted morpholinyl, optionally substituted [1.4]oxepanyl, optionally substituted phenyl, optionally substituted piperidinyl, or optionally substituted pyrrolidinyl; or

L is L¹-L² wherein

L¹ is optionally substituted cyclohexyl, optionally substituted cyclopentyl, optionally substituted phenyl, optionally substituted piperidinyl, optionally substituted pyridinyl;

L² is N(H), N(CH₃), N(CH₂CH₂OH), N(CH₂CH(CH₃)₂), N(oxetanyl), N(CH₂-cyclopentyl), N(CH₂-thiazolyl), O, S(O)₂N(H), or CH₂N(H).

3. The compound according to claim 2, wherein L or L¹ is optionally substituted with one or more substituents independently selected from halogen, CN, OH, (C₁-C₄)alkoxy, (C₁-C₄)alkyl, —CH₂OH, —N(H)CH₂-heteroaryl, benzyloxy, and —OCH₂-heteroaryl.

4. The compound according to claim 3, wherein X is NR^2 and R^2 is H.
5. The compound according to claim 4, wherein Y is CR^1 and R^1 of Y is optionally substituted with one or more substituents independently selected from halogen, CN, $=\text{O}$, $(\text{C}_1\text{-C}_4)\text{alkyl}$, $(\text{C}_2\text{-C}_4)\text{alkenyl}$, $-\text{CH}_2\text{NH}_2$, $-\text{CH}_2\text{CH}_2\text{OH}$, $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{CH}_3$, $-\text{CH}_2\text{CH}(\text{OH})\text{CH}_2\text{OH}$, $-\text{CH}_2\text{CH}_2\text{OCH}_2\text{CH}_3$, $-\text{CH}_2\text{C}(\text{OH})(\text{CH}_3)_2$, $-\text{CH}_2\text{NHC}(\text{O})(\text{C}_1\text{-C}_4)\text{alkyl}$, $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{Cl}$, $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{CN}$, $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{CH}_2\text{N}(\text{CH}_3)_2$, $-\text{CH}_2\text{NHC}(\text{O})\text{C}(\text{=CH}_2)\text{CH}_3$, $-\text{CH}_2\text{NHC}(\text{O})(\text{C}_2\text{-C}_4)\text{alkynyl}$, $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{CH}_2\text{-piperidinyl}$, $-(\text{C}_1\text{-C}_4)\text{alkyl-morpholinyl}$, $-\text{CH}_2\text{NHC}(\text{O})\text{CH}_2\text{O-phenyl}$ wherein the phenyl is optionally substituted with halogen, $(\text{C}_1\text{-C}_4)\text{alkoxy}$, $-\text{C}(\text{O})(\text{C}_1\text{-C}_4)\text{alkyl}$, $-\text{C}(\text{O})(\text{C}_1\text{-C}_4)\text{alkoxy}$, $-\text{C}(\text{O})\text{N}(\text{H})_2$, $-\text{C}(\text{O})\text{N}(\text{CH}_3)_2$, $-\text{C}(\text{O})\text{-morpholinyl}$, $-\text{C}(\text{O})\text{-pyrrolidinyl}$, $-\text{N}(\text{CH}_3)_2$, $-\text{NHC}(\text{O})(\text{C}_1\text{-C}_4)\text{alkyl}$, $-\text{NHC}(\text{O})(\text{C}_2\text{-C}_4)\text{alkenyl}$, $-\text{NHC}(\text{O})\text{CH}_2\text{CN}$, $-\text{S}(\text{O})_2(\text{C}_1\text{-C}_4)\text{alkyl}$, $-\text{S}(\text{O})_2\text{-pyrrolidinyl}$, morpholinyl , tetrahydropyranyl , or $4\text{-methylpiperazinecarbonyl}$.
6. The compound according to claim 5, wherein Z is CR^1 and R^1 of Z is H, $(\text{C}_1\text{-C}_4)\text{alkyl}$, $-\text{NHC}(\text{O})\text{CH}_2\text{Cl}$, $-\text{NHC}(\text{O})\text{CH}_2\text{CN}$, $-\text{NHC}(\text{O})(\text{C}_2\text{-C}_4)\text{alkenyl}$, $-\text{NHC}(\text{O})(\text{C}_2\text{-C}_4)\text{alkynyl}$, $-\text{NHC}(\text{O})\text{C}(\text{=CH}_2)\text{CH}_3$, $-\text{NHC}(\text{O})\text{CH}_2\text{-phenyl}$, or pyrazolyl substituted with CH_3 .
7. The compound according to claim 1, wherein
X is NR^2 wherein R^2 is H;
Y is CR^1 wherein R^1 is H, CH_3 , substituted pyrazolyl , $6,7\text{-dihydro-4H-pyrazolo}[5,1\text{-c}][1,4]\text{oxazinyl}$ or $\text{tetrahydrofuranlyl}$;
Z is CR^1 wherein R^1 is H;
E is CR^5 wherein R^5 is H;
 R^3 is $-\text{R}^{301}\text{-L-R}^{302}$ wherein
 R^{301} is a bond;
L is azetidiny , $3,6\text{-diazabicyclo}[3.2.0]\text{heptanyl}$, morpholinyl , $[1,4]\text{oxepanyl}$, piperidinyl , or pyrrolidinyl ;
wherein the azetidiny is optionally substituted with CH_3 , and
wherein the piperidinyl is optionally substituted with $-\text{CH}_2\text{OH}$; and
 R^{302} is $-\text{C}(\text{O})\text{CH=CH}_2$ or $-\text{C}(\text{O})\text{C}\equiv\text{CH}$.
8. A compound selected from
 $4\text{-}((1\text{-acryloylazetidin-3-yl})(\text{methyl})\text{amino})\text{-1H-indole-7-carboxamide}$;
 $4\text{-}(3\text{-acrylamido-2-methylphenyl})\text{-2(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide}$;
 $(R)\text{-}4\text{-}(3\text{-acrylamidopiperidin-1-yl})\text{-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide}$;

4-(2-methyl-3-(N-(thiazol-2-ylmethyl)acrylamido)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-methacrylamido-2-methylphenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 (Z)-4-(3-(3-chloroacrylamido)-2-methylphenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4,4-difluorocyclohex-1-enyl)-1H-indole-7-carboxamide;
 4-(2-(acrylamidomethyl)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(2-acrylamidophenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-(acrylamidomethyl)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-methoxypyridin-3-yl)-1H-indole-7-carboxamide;
 methyl 3-(4-(3-acrylamido-2-methylphenyl)-7-carbamoyl-1H-indol-2-yl)benzoate;
 4-(3-acrylamido-2-methylphenyl)-2-(3-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(6-methylpyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-carbamoylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3,5-dimethylisoxazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-(tetrahydro-2H-pyran-2-yl)-1H-pyrazol-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3,5-dimethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-isopropyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1,3-dimethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-ethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-isobutyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 N-(3-(7-carbamoyl-3-methacrylamido-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-fluoropyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-ethyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 2-(3-acetamidophenyl)-4-(3-acrylamido-2-methylphenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(2-methoxypyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-cyanophenyl)-1H-indole-7-carboxamide;
 methyl 4-(4-(3-acrylamido-2-methylphenyl)-7-carbamoyl-1H-indol-2-yl)benzoate;
 4-(3-acrylamido-2-methylphenyl)-2-(2,3-dihydrobenzofuran-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-fluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-(dimethylamino)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-methyl-5-(pyrrolidin-1-ylsulfonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-fluorophenyl)-1H-indole-7-carboxamide;
 N-(3-(3-acrylamido-7-carbamoyl-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-methyl-1H-pyrazol-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(pyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-(2-morpholinoethyl)-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(6-morpholinopyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(3-(4-methylpiperazine-1-carbonyl)phenyl)-1H-indole-7-carboxamide;
 N-(3-(2-(2-(acrylamidomethyl)phenyl)-7-carbamoyl-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 N-(3-(7-carbamoyl-2-(2-(methacrylamidomethyl)phenyl)-1H-indol-4-yl)-2-methylphenyl)thiazole-2-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-fluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-phenyl-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-(methylsulfonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(dimethylcarbamoyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(pyrimidin-5-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(pyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(morpholine-4-carbonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(pyrrolidine-1-carbonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(4-methylpiperazine-1-carbonyl)phenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-2-methylphenyl)-2-(4-(methylsulfonyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-6-methoxypyridin-3-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(2-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(2-acrylamidophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-(morpholinomethyl)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(4-carbamoylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-(thiazol-2-ylmethylamino)phenyl)-2-(1-(methylsulfonyl)-1,2,3,6-tetrahydropyridin-4-yl)-1H-indole-7-carboxamide;
 4-(2-methyl-3-(N-methylacrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-(N-methylacrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-methacrylamido-2-methylphenyl)-1H-indole-7-carboxamide;
 (E)-4-(3-(3-cyclopropylacrylamido)-2-methylphenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(pyridin-2-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(1-methyl-1H-pyrazol-4-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(pyridin-3-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 (E)-4-(2-methyl-3-(3-(thiazol-2-yl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(2-methyl-3-(2-phenylacrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-(benzyloxy)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-(benzyloxy)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-(thiazol-2-ylmethoxy)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-(thiazol-2-ylmethoxy)phenyl)-1H-indole-7-carboxamide;
 4-(2-acrylamido-4-(thiazol-2-ylmethoxy)phenyl)-1H-indole-7-carboxamide;
 4-(2-acrylamido-4-(benzyloxy)phenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamidopyridin-3-yl)-1H-indole-7-carboxamide;
 4-(2-acrylamidopyridin-4-yl)-1H-indole-7-carboxamide;
 4-(3-(N-isobutylacrylamido)phenyl)-1H-indole-7-carboxamide;
 1-Acryloyl-1,2,3,6-tetrahydro-pyrrolo[2,3-e]indole-5-carboxylic acid amide;
 4-acrylamido-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-fluorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2-fluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-fluorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2-chlorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2,4-difluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2,6-difluorophenyl)-1H-indole-7-carboxamide;

4-(3-acrylamido-5-methylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-methylphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-methoxyphenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-4-chlorophenyl)-1H-indole-7-carboxamide;
 4-(5-acrylamido-2,3-difluorophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-5-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-cyanophenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-vinyl-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-ethyl-1H-indole-7-carboxamide;
 4-(3-(2-(morpholinomethyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-(2-((dimethylamino)methyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(1R,3S)-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(cis-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-((1S,3S)-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(trans-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(cis-3-acrylamidocyclohexyl)-1H-indole-7-carboxamide;
 4-(3-(2-(aminomethyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(1R,3S)-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(3-(2-((methylamino)methyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-methyl-1H-indole-7-carboxamide;
 4-((1S,3S)-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-(2-ethoxyethyl)-1H-indole-7-carboxamide;
 4-(3-acrylamidophenyl)-2-(2-hydroxyethyl)-1H-indole-7-carboxamide;
 4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-acrylamido-2-methylphenyl)-2-(1-isopropyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 4-(3-(N-(cyclopentylmethyl)acrylamido)phenyl)-1H-indole-7-carboxamide;
 4-(cis-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(trans-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 4-(trans-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;
 (S)-4-(1-(1-acryloylazetid-3-yl)ethyl)-1H-indole-7-carboxamide;
 (R)-4-(1-(1-acryloylazetid-3-yl)ethyl)-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpiperidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpiperidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(4-acryloylmorpholin-2-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 (S)-4-(4-acryloylmorpholin-2-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-

carboxamide;

(R)-4-(1-acryloylpyrrolidin-3-yl)-2-(6,7-dihydro-4H-pyrazolo-[5,1-c][1,4]oxazin-2-yl)-1H-indole-7-carboxamide;

2-methyl-4-(methyl(1-propionylazetidin-3-yl)amino)-1H-indole-7-carboxamide;

(S)-4-(1-acryloylpyrrolidin-3-yl)-2-(6,7-dihydro-4H-pyrazolo[5,1-c][1,4-]oxazin-2-yl)-1H-indole-7-carboxamide;

(S)-4-(4-acryloyl-1,4-oxazepan-6-yl)-1H-indole-7-carboxamide;

4-((3S,5R)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;

4-((3S,5S)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;

4-((3R,5S)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;

4-((3R,5R)-1-acryloyl-5-(hydroxymethyl)piperidin-3-yl)-1H-indole-7-carboxamide;

(R)-4-(1-acryloylpyrrolidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

(S)-4-(1-acryloylpyrrolidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

4-((1R,3R)-3-acrylamidocyclopentyl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(isochroman-7-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(6,7-dihydro-4H-pyrazolo[5,1-c][1,4]oxazin-2-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(4,4-difluorocyclohex-1-en-1-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(4-(methylsulfonyl)cyclohex-1-en-1-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(6-morpholinopyridin-3-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(7,8-dihydro-5H-pyrano[4,3]pyridin-3-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(chroman-7-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(5-(morpholinomethyl)pyridin-2-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(3,4-dihydro-2H-benzo[b][1,4]oxazin-6-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(1-methyl-1H-pyrazol-5-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(2-ethyl-1,2,3,4-tetrahydroisoquinolin-6-yl)-1H-indole-7-carboxamide;

4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(1,3-dimethyl-1H-pyrazol-4-yl)-1H-indole-

7-carboxamide;
 4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(1,1-dioxidotetrahydro-2H-thiopyran-4-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(1-propylpiperidin-4-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(tetrahydrofuran-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(3-hydroxyoxetan-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(4-acryloyl-1,4-oxazepan-6-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpyrrolidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpyrrolidin-3-yl)-2-methyl-1H-indole-7-carboxamide;
 4-((1R,5S)-6-acryloyl-3,6-diazabicyclo[3.2.0]heptan-3-yl)-1H-indole-7-carboxamide;
 4-(1S,5R)-6-acryloyl-3,6-diazabicyclo[3.2.0]heptan-3-yl)-1H-indole-7-carboxamide;
 4-((1-acryloyl-3-methylazetidin-3-yl)(methyl)amino)-1H-indole-7-carboxamide;
 (S)-4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(tetrahydrofuran-3-yl)-1H-indole-7-carboxamide;
 (R)-4-((1-acryloylazetidin-3-yl)(methyl)amino)-2-(tetrahydrofuran-3-yl)-1H-indole-7-carboxamide;
 (S)-4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide;
 (R)-4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide, or a pharmaceutically acceptable salt thereof.

9. A kit comprising a packaged product comprising components with which to administer a compound of claim 1 for treatment of a disease, wherein the disease is mantle cell lymphoma, chronic lymphocytic leukemia, small lymphocytic lymphoma, follicular lymphoma, diffuse large B-cell lymphoma, or multiple myeloma.
10. A pharmaceutical composition comprising a compound according to claim 1 and one or more pharmaceutically acceptable excipients.
11. A pharmaceutical composition comprising a compound according to claim 8 and one or more pharmaceutically acceptable excipients.
12. A kit comprising a packaged product comprising components with which to administer a compound of claim 8 for treatment of a disease, wherein the disease is mantle cell lymphoma, chronic lymphocytic leukemia, small lymphocytic lymphoma, follicular

lymphoma, diffuse large B-cell lymphoma, or multiple myeloma.

13. A compound or a pharmaceutically acceptable salt thereof, wherein the compound is (S)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide.
14. A compound or a pharmaceutically acceptable salt thereof, wherein the compound is (R)-4-(1-acryloylpiperidin-3-yl)-1H-indole-7-carboxamide.
15. A compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-(1-acryloylpiperidin-3-yl)-2-(1-methyl-1H-pyrazol-4-yl)-1H-indole-7-carboxamide.
16. A compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-((1-acryloylazetidin-3-yl)(methyl)amino)-1H-indole-7-carboxamide.
17. A compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-(3-acrylamidophenyl)-2-(2-hydroxyethyl)-1H-indole-7-carboxamide.
18. A compound or a pharmaceutically acceptable salt thereof, wherein the compound is 4-(3-acrylamidophenyl)-2-ethyl-1H-indole-7-carboxamide.