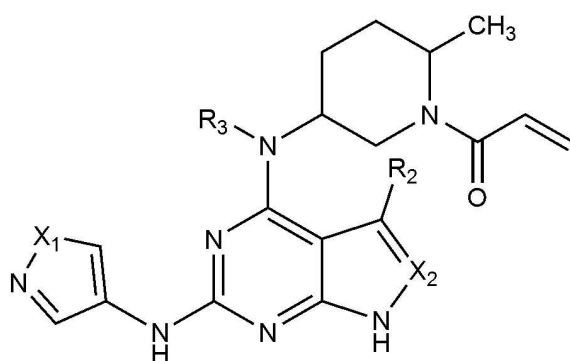


## CLAIMS

1. A compound represented by the following Chemical Formula 1,  
or a pharmaceutically acceptable salt thereof:

5 [Chemical Formula 1]



wherein, in Chemical Formula 1,

X<sub>1</sub> is N-R<sub>1</sub>, O, or S,

X<sub>2</sub> is CH, or N,

10 R<sub>1</sub> is ethyl, propyl, isopropyl, butyl, isobutyl, pentyl, isopentyl,  
neopentyl, cyclopropyl, cyclobutyl, cyclopentyl, cyclohexyl, or 2-  
((tert-butoxycarbonyl)amino)ethyl, ~~2,2-difluoroethyl(-CH<sub>2</sub>CHF<sub>2</sub>) or~~  
~~2,2,2-trifluoroethyl(-CH<sub>2</sub>CF<sub>3</sub>),,~~

R<sub>2</sub> is hydrogen, C<sub>1-5</sub> alkyl, or halogen, and

15 R<sub>3</sub> is hydrogen or C<sub>1-5</sub> alkyl.

2. The compound or a pharmaceutically acceptable salt thereof

according to claim 1,

wherein R<sub>2</sub> is hydrogen, methyl, bromo, fluoro, or chloro.

5        3. The compound or a pharmaceutically acceptable salt thereof  
according to claim 1,

wherein R<sub>3</sub> is hydrogen, methyl, ethyl, propyl, isopropyl, butyl,  
isobutyl, pentyl, isopentyl, or neopentyl.

10       4. The compound or a pharmaceutically acceptable salt thereof  
according to claim 1,

wherein X<sub>1</sub> is N-R<sub>1</sub> and X<sub>2</sub> is CH.

15       5. The compound or a pharmaceutically acceptable salt thereof  
~~according to claim 1,~~

wherein the compounds ~~represented by the Chemical Formula~~  
4 is any one selected from the group consisting of the following:

1)       1-((2S,5R)-5-((5-chloro-2-((1-ethyl-1H-pyrazol-4-  
yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-  
20 yl)prop-2-en-1-one,

2)       1-((2S,5R)-5-((2-((1-ethyl-1H-pyrazol-4-yl)amino)-7H-  
pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-  
1-one,

3)       1-((2S,5R)-5-((2-((1-isobutyl-1H-pyrazol-4-yl)amino)-7H-  
25 pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-

1-one,

4) 1-((2S,5R)-5-((2-((1-cyclopentyl-1H-pyrazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one,

5) tert-butyl 2-(4-((4-((3R,6S)-1-acryloyl-6-methylpiperidin-3-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-2-yl)amino)-1H-pyrazol-1-yl)ethylcarbamate,

6) 1-((2S,5R)-5-((5-chloro-2-(isothiazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one,

7) 1-((2S,5R)-5-((5-chloro-2-((1-(2,2-difluoroethyl)-1H-pyrazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one,

8) 1-((2S,5R)-5-((5-chloro-2-((1-(2,2,2-trifluoroethyl)-1H-pyrazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one,

9) 1-((2S,5R)-5-((5-chloro-2-((1-cyclopropyl-1H-pyrazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one,

10) 1-((2S,5R)-5-((2-(1-ethyl-1H-pyrazol-4-yl)amino)-7H-pyrrolo[2,3-d]pyrimidin-4-yl)(methyl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one, and

11) 1-((2S,5R)-5-((3-chloro-6-((1-ethyl-1H-pyrazol-4-yl)amino)-1H-pyrazolo[3,4-d]pyrimidin-4-yl)(methyl)amino)-2-methylpiperidin-1-yl)prop-2-en-1-one.

6. A pharmaceutical composition for the prevention or treatment of inflammatory disease, autoimmune disease, proliferative disease, hyperproliferative disease, immunity mediated disease, cancer or  
5 tumor, comprising the compound according to any one of claims 1 to 5 or a pharmaceutically acceptable salt thereof.