Patent Claims

1. A pharmaceutical composition of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof in combination with gefitinib.

2. A pharmaceutical composition according to claim 1 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate in combination with gefitinib.

3. A pharmaceutical composition of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof in combination with gefitinib
for the use for the treatment of diseases selected from the group cancer of the head, neck, eye, mouth, throat, esophagus, bronchus, larynx, pharynx, chest, bone, lung, colon, rectum, stomach, prostate, urinary bladder, uterine, cervix, breast, ovaries, testicles or other reproductive organs, skin, thyroid, blood, lymph nodes, kidney, liver, pancreas, brain, central nervous system, solid tumors and blood-borne tumors.

4. A pharmaceutical composition according to claim 3 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate in combination with gefitinib for the use for the treatment of cancer, selected from the group small cell lung cancer (SCLC), non-small cell lung cancer (NSCLC), squamous cell cancer of the head and neck (SCCHN).

5. Use of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof for the manufacture of a medicament for the treatment of cancer, wherein the medicament is to be used in combination with gefitinib.

6. Use according to claim 5 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate for the manufacture of a medicament for the treatment of cancer, wherein the medicament is to be used in combination with gefitinib.

7. Use according to claim 5 or 6 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate for the manufacture of a medicament for the treatment of cancer, selected from the group colorectal, lung, breast, kidney, and glioblastomas, wherein the medicament is to be used in combination with gefitinib.

8. Use according to claim 5, 6 or 7 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate for the manufacture of a medicament for the treatment of cancer, selected from the group small cell lung cancer (SCLC), non-small cell lung cancer (NSCLC), squamous cell cancer of the head and neck (SCCHN), wherein the medicament is to be used in combination with gefitinib.

9. Use according to claim 5, 6, 7 or 8, wherein 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof or

3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate is administered to a patient in an amount of 250 mg to 12500 mg per week.

Patent Claims

1. A pharmaceutical composition of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof in combination with gefitinib.

2. A pharmaceutical composition according to claim 1 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate in combination with gefitinib.

3. Use of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof for the manufacture of a medicament for the treatment of cancer, wherein the medicament is to be used in combination with gefitinib.

4. Use according to claim 5 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate for the manufacture of a medicament for the treatment of cancer, wherein the medicament is to be used in combination with gefitinib.

5. Use according to claim 5 or 6 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate for the manufacture of a medicament for the treatment of cancer, selected from the group colorectal, lung, breast, kidney, and glioblastomas, wherein the medicament is to be used in combination with gefitinib.

6. Use according to claim 5, 6 or 7 of 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate for the manufacture of a medicament for the treatment of cancer, selected from the group small cell lung cancer (SCLC), non-small cell lung cancer (NSCLC), squamous cell cancer of the head and neck (SCCHN), wherein the medicament is to be used in combination with gefitinib.

7. Use according to claim 5, 6, 7 or 8, wherein 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile or a pharmaceutically acceptable salt and/or solvate thereof or 3-(1-{3-[5-(1-Methyl-piperidin-4-ylmethoxy)-pyrimidin-2-yl]-benzyl}-6-oxo-1,6-dihydro-pyridazin-3-yl)-benzonitrile hydrochloride hydrate is administered to a patient in an amount of 250 mg to 12500 mg per week.