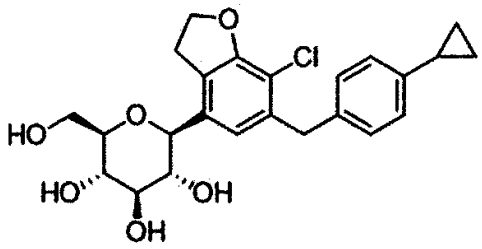
CLAIMS

Claim 1

A pharmaceutical composition comprising a compound of Chemical Formula 1 or a pharmaceutically acceptable salt thereof as an active ingredient, an excipient, a disintegrant, and a binder,

[Chemical Formula 1]



wherein the pharmaceutical composition comprises a granular material in which pre-mixed granules comprising the compound of Chemical Formula 1 or a pharmaceutically acceptable salt thereof and a post-mixed part are mixed, and

(a) the compound of Chemical Formula 1 has a volume average particle size (D_{mean}) of more than 0 μm and 15 μm or less, and is included in the pre-mixed granules in an amount of more than 0 part by weight and less than 1 part by weight based on 100 parts by weight of the total pharmaceutical composition,

(b) the pre-mixed granules include microcrystalline cellulose as an excipient,

(c) the post-mixed part includes microcrystalline cellulose as an excipient having a particle size (D50) larger than that of the microcrystalline cellulose in the pre-mixed granules,

(d) the weight ratio of the excipient in the pre-mixed granules to the excipient in the post-mixed part ranges from 4:1 to 1:1.

Claim 2

The pharmaceutical composition of claim 1, wherein the content of the active ingredient in the pharmaceutical composition ranges from 0.1 to 0.5 mg.

Claim 3

The pharmaceutical composition of claim 1, wherein the excipient is included in an amount of 80 to 95 parts by weight based on 100 parts by weight of the total pharmaceutical composition.

Claim 4

The pharmaceutical composition of claim 1, wherein the disintegrant is included in an amount of 2 to 8 parts by weight based on 100 parts by weight of the total pharmaceutical composition.

Claim 5

The pharmaceutical composition of claim 1, wherein the binder is included in an amount of 3 to 10 parts by weight based on 100 parts by weight of the total pharmaceutical composition.

Claim 6

The pharmaceutical composition of claim 1, wherein a dissolution rate of the pharmaceutical composition is 50% or more of the total content of the active ingredient after 5 minutes.

Claim 7

The pharmaceutical composition of claim 1, wherein the dissolution rate of the pharmaceutical composition is 80% or more of the total content of the active ingredient after 15 minutes.

Claim 8

The pharmaceutical composition of claim 1, wherein the dissolution rate of the

pharmaceutical composition is 85% or more of the total content of the active ingredient after 30 minutes.

Claim 9

The pharmaceutical composition of claim 1, wherein the pre-mixed granules include the compound of Chemical Formula 1 or a pharmaceutically acceptable salt thereof, an excipient, a binder, and a lubricant.

Claim 10

The pharmaceutical composition of claim 1, wherein the post-mixed part includes an excipient, a disintegrant, and a lubricant.

Claim 11

The pharmaceutical composition of claim 1, wherein the microcrystalline cellulose in the pre-mixed granules has a particle size (D50) of 60 to130 μm.

Claim 12

The pharmaceutical composition of claim 1, wherein the microcrystalline cellulose in the pre-mixed granules has a bulk density of 0.26 to 0.33 g/mL.

Claim 13

The pharmaceutical composition of claim 1, wherein the microcrystalline cellulose in the post-mixed part has a particle size (D50) of 130 to 250 μm.

Claim 14

The pharmaceutical composition of claim 1, wherein the excipient in the post-mixed part has a bulk density of 0.28 to 0.37 g/mL.

Claim 15

The pharmaceutical composition of claim 1, wherein the binder is one or more selected from the group consisting of hydroxypropyl cellulose, povidone, copovidone, and

hypromellose.

Claim 16

The pharmaceutical composition of claim 15, wherein the binder is hydroxypropyl cellulose, which has a weight average molecular weight of 40,000 to 200,000.

Claim 17.

The pharmaceutical composition of claim 1, wherein the disintegrant is selected from the group consisting of crospovidone, croscarmellose sodium, sodium starch glycolate, low-substituted hydroxypropyl cellulose and combination thereof. Claim 18

The pharmaceutical composition of claim 1, wherein the granular material is a dry granular material.

Claim 19

The pharmaceutical composition of claim 1, wherein the pharmaceutical composition is in the form of a tablet.

Claim 20

The pharmaceutical composition of claim 1, wherein the pharmaceutical composition includes the compound of Chemical Formula 1 in a dose of 0.3 mg.