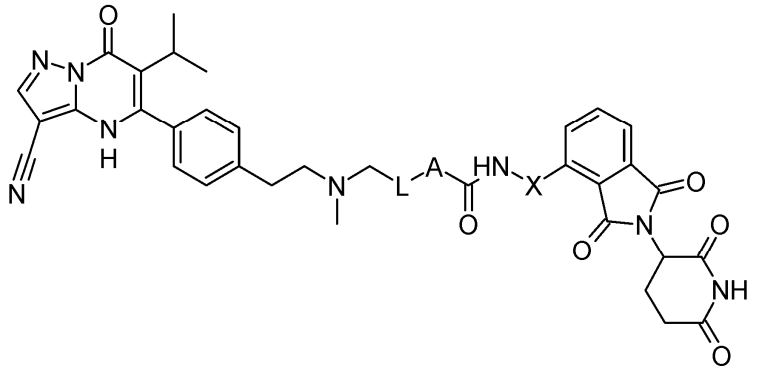
CLAIMS

[Claim 1] A compound represented by the following formula (I):

[Chemical Formula 1]



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or a salt thereof, wherein:

A is a single bond or a substituted or unsubstituted divalent aromatic hydrocarbon group;

L is a substituted or unsubstituted linear or branched alkylene group having 1 to 13 carbon atoms; and

X is $-(CH_2CH_2O)_s-$, $-(CH_2CH_2CH_2O)_s-$, $-(CH(CH_3)CH_2O)_s-$, or $-(CH_2)_tO-$, wherein s is a number from 1 to 8 and t is a number from 2 to 10.

[Claim 2] The compound or a salt thereof according to claim 1, wherein, in said formula (I):

A is a single bond or a phenylene group;

L is a linear alkylene group having 3 to 10 carbon atoms; and

X is $-(CH_2CH_2O)_s-$, $-(CH_2CH_2CH_2O)_s-$, $-(CH(CH_3)CH_2O)_s-$, or $-(CH_2)_tO-$, wherein s is a number from 1 to 5 and t is a number from 2 to 10.

[Claim 3] The compound or salt thereof according to claim 1, wherein, in said formula (I):

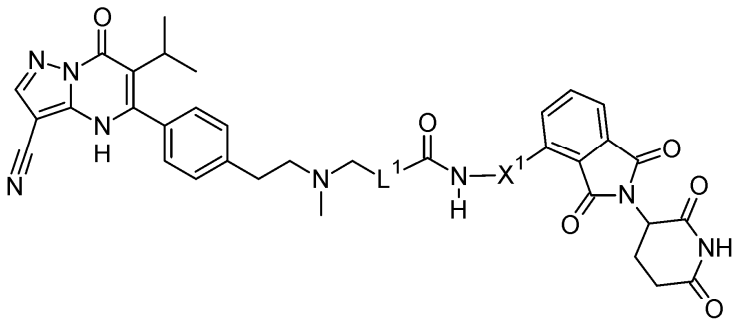
A is a single bond, p-phenylene group, or m-phenylene group;

L is a linear alkylene group having 3 to 10 carbon atoms; and

X is $-(CH_2CH_2O)_s-$, $-(CH_2CH_2CH_2O)_s-$, or $-(CH_2)_tO-$, wherein s is a number from 1 to 5 and t is a number from 2 to 10.

[Claim 4] The compound or salt thereof according to claim 1, wherein said compound is a compound represented by the following formula (I-1), a compound represented by the following formula (I-2), or a compound represented by the following formula (I-3):

[Chemical Formula 2]



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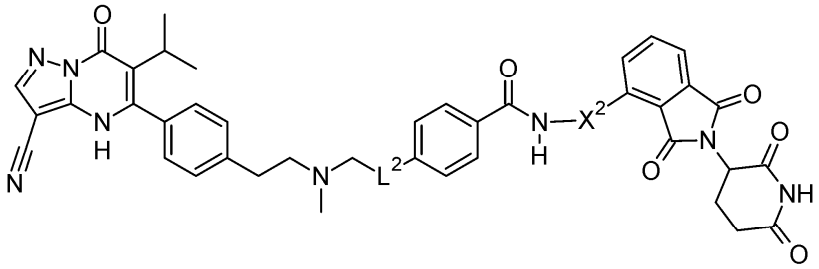

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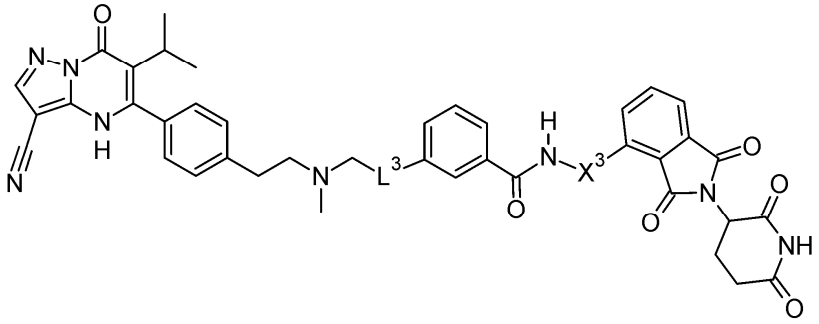

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wherein:
in formula (I-1),

$L^1$is a linear alkylene group having 3 to 10 carbon atoms, and

X^1 is a group represented by $-(CH_2CH_2O)_s-$, wherein s is a number from 1 to 5;
in formula (I-2),

L^2 is a linear alkylene group having 3 to 10 carbon atoms, and

X^2 is a group represented by $-(CH_2CH_2O)_s-$, or $-(CH_2)_tO-$, wherein s is a number from 1 to 5 and t is a number from 2 to 10; and
in formula (I-3),

L^3 is a linear alkylene group having 3 to 10 carbon atoms, and

X^3 is a group represented by $-(CH_2CH_2O)_s-$ or $-(CH_2)_tO-$, wherein s is a number from 1 to 5 and t is a number from 2 to 10.

[Claim 5] The compound or salt thereof according to claim 4, wherein said compound is:

a compound of said formula (I-1), wherein L^1 is a linear alkylene group having 5 carbon atoms, and X^1 is a group represented by $-(CH_2CH_2O)_s-$, and s is 3;

a compound of said formula (I-1), wherein L^1 is a linear alkylene group having 8 carbon atoms, and X^1 is a group represented by $-(CH_2CH_2O)_s-$, and s is 3;

a compound of said formula (I-2), wherein L^2 is a linear alkylene group having 5 carbon

atoms, and X^2 is a group represented by $-(CH_2CH_2O)_s-$, and s is 3;

a compound of said formula (I-2), wherein L^2 is a linear alkylene group having 5 carbon atoms, and X^2 is a group represented by $-(CH_2)_tO-$ and t is 6;

a compound of said formula (I-3), wherein L^3 is a linear alkylene group having 5 carbon atoms, and X^3 is a group represented by $-(CH_2CH_2O)_s-$, and s is 3; or

a compound of said formula (I-3), wherein L^3 is a linear alkylene group having 5 carbon atoms, and X^3 is a group represented by $-(CH_2)_tO-$, and t is 6.

[Claim 6] A pharmaceutical composition comprising the compound or salt thereof according to any one of claims 1 to 5.

[Claim 7] The pharmaceutical composition according to claim 6, which is a KDM5 inhibitor and a KDM5 degrader.

[Claim 8] The pharmaceutical composition according to claim 6, which is an agent for preventing and/or treating KDM5-related diseases.

[Claim 9] The compound or salt according to any one of claims 1 to 5 for use in the prevention and/or treatment of KDM5-related diseases in which KDM5 inhibitory and KDM5 degrading actions are effective.

[Claim 10] The pharmaceutical composition according to claim 6 for use in the prevention and/or treatment of KDM5-related diseases in which KDM5 inhibitory and KDM5 degrading actions are effective.

[Claim 11] Use of the compound or salt thereof according to any one of claims 1 to 5 for production of a pharmaceutical composition for preventing and/or treating a KDM5-related disease in which the KDM5 inhibitory and the KDM5 degrading actions are effective.

[Claim 12] An agent for preventing and/or treating KDM5-related diseases, comprising as an active ingredient a compound or a salt thereof according to any one of claims 1 to 5.