



(12) Translation of
European patent specification

(11) NO/EP 3672949 B1

NORWAY

(19) NO
(51) Int Cl.
C07D 401/14 (2006.01)
A61K 31/454 (2006.01)
A61K 31/4545 (2006.01)
A61P 35/00 (2006.01)
C07D 401/04 (2006.01)
C07D 407/14 (2006.01)
C07D 409/14 (2006.01)
C07D 413/14 (2006.01)
C07D 417/14 (2006.01)
C07D 471/04 (2006.01)
C07D 487/04 (2006.01)
C07D 487/08 (2006.01)
C07D 495/04 (2006.01)
C07D 513/04 (2006.01)

Norwegian Industrial Property Office

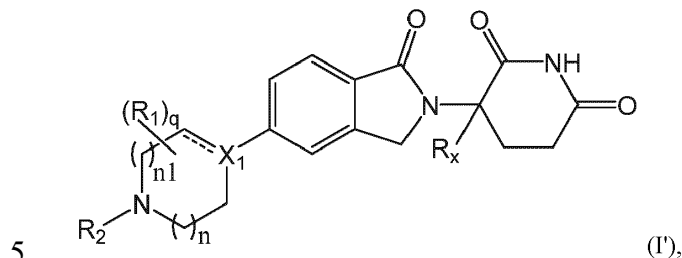
(45)	Translation Published	2023.04.24
(80)	Date of The European Patent Office Publication of the Granted Patent	2022.12.21
(86)	European Application Nr.	18772885.2
(86)	European Filing Date	2018.08.23
(87)	The European Application's Publication Date	2020.07.01
(30)	Priority	2017.08.23, US, 201762549225 P
(84)	Designated Contracting States:	AL ; AT ; BE ; BG ; CH ; CY ; CZ ; DE ; DK ; EE ; ES ; FI ; FR ; GB ; GR ; HR ; HU ; IE ; IS ; IT ; LI ; LT ; LU ; LV ; MC ; MK ; MT ; NL ; NO ; PL ; PT ; RO ; RS ; SE ; SI ; SK ; SM ; TR
	Designated Extension States:	BA ; ME
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(54)	Title	3-(1-OXOISOINDOLIN-2-YL)PIPERIDINE-2,6-DIONE DERIVATIVES AND USES THEREOF
(56)	References Cited:	EP-A1- 3 061 758 WO-A1-2018/071606 WO-A1-2018/140809 WO-A2-2015/160845 WO-A1-2006/028964

Enclosed is a translation of the patent claims in Norwegian. Please note that as per the Norwegian Patents Acts, section 66i the patent will receive protection in Norway only as far as there is agreement between the translation and the language of the application/patent granted at the EPO. In matters concerning the validity of the patent, language of the application/patent granted at the EPO will be used as the basis for the decision. The patent documents published by the EPO are available through Espacenet (<http://worldwide.espacenet.com>) or via the search engine on our website here: <https://search.patentstyret.no/>

Patentkrav

1. Forbindelse med formel (I):



eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav, hvori:

X_1 er CR_3 ;

----- er valgfritt en dobbeltbinding når X_1 er CR_3 og R_3 er fraværende;

10 hver R_1 er uavhengig (C_1-C_6) -alkyl, (C_1-C_6) -haloalkyl, (C_1-C_6) -hydroksyalkyl eller halogen, eller

to R_1 sammen med karbonatomene som de er bundet til, danner en 5- eller 6-leddet heterosykloalkylring, eller

15 to R_1 , når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C_6-C_{10}) -arylring eller en 5- eller 6-leddet heteroarylring omfattende 1 til 3 heteroatomer valgt blant O, N og S;

R_2 er (C_1-C_6) -alkyl, $-C(O)(C_1-C_6)$ -alkyl, $-C(O)(CH_2)_{0-3}(C_6-C_{10})$ -aryl, $-C(O)O(CH_2)_{0-3}(C_6-C_{10})$ -aryl, (C_6-C_{10}) -aryl, 5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, eller (C_3-C_8) -sykloalkyl, hvor alkylen er valgfritt substituert med én eller flere R_4 ; og arylen, heteroarylen og sykloalkylen er valgfritt substituert med én eller flere R_5 , eller

R_1 og R_2 , når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en 5- eller 6-leddet heterosykloalkylring;

R_3 er H eller R_3 er fraværende når ----- er en dobbeltbinding;

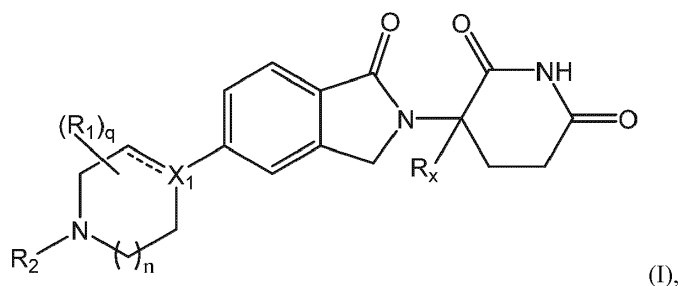
25 hver R_4 velges uavhengig blant $-C(O)OR_6$, $-C(O)NR_6R_6'$, $-NR_6C(O)R_6'$, halogen, -OH, $-NH_2$, CN, (C_6-C_{10}) -aryl, 5- eller 6-leddet heteroaryl omfattende 1 til 4 heteroatomer valgt blant O, N og S, (C_3-C_8) -sykloalkyl og en 5- til 7-leddet heterosykloalkylring omfattende 1 til 3 heteroatomer valgt blant O, N og S, hvor aryl-, heteroaryl-, sykloalkyl- og heterosykloalkylgruppene er valgfritt substituert med én eller flere R_7 ;

30

- hver R₅ velges uavhengig blant (C₁-C₆)-alkyl, (C₂-C₆)-alkenyl, (C₂-C₆)-alkynyl, (C₁-C₆)-alkoksy, (C₁-C₆)-haloalkyl, (C₁-C₆)-haloalkoksy, (C₁-C₆)-hydroksyalkyl, halogen, -OH, -NH₂, CN, (C₃-C₇)-sykloalkyl, 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S, (C₆-C₁₀)-aryl og 5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, eller
- 5 to R₅, når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C₆-C₁₀)-arylring eller en 5- eller 6-leddet heteroarylring omfattende 1 til 3 heteroatomer valgt blant O, N og S, valgfritt substituert med én eller flere R₁₀, eller
- 10 to R₅, når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C₅-C₇)-sykloalkylring eller en 5- til 7-leddet heterosykloalkylring omfattende 1 til 3 heteroatomer valgt blant O, N og S valgfritt substituert med én eller flere R₁₀;
- R₆ og R_{6'} er hver uavhengig H, (C₁-C₆)-alkyl eller (C₆-C₁₀)-aryl;
- 15 hver R₇ velges uavhengig blant (C₁-C₆)-alkyl, (C₂-C₆)-alkenyl, (C₂-C₆)-alkynyl, (C₁-C₆)-alkoksy, (C₁-C₆)-haloalkyl, (C₁-C₆)-haloalkoksy, -C(O)R₈, -(CH₂)₀₋₃C(O)OR₈, -C(O)NR₈R₉, -NR₈C(O)R₉, -NR₈C(O)OR₉, -S(O)_pNR₈R₉, -S(O)_pR₁₂, (C₁-C₆)-hydroksyalkyl, halogen, -OH, -O(CH₂)₁₋₃CN, -NH₂, CN, -O(CH₂)₀₋₃(C₆-C₁₀)-aryl, adamantyl, -O(CH₂)₀₋₃-5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer
- 20 valgt blant O, N og S, (C₆-C₁₀)-aryl, monosyklisk eller bisyklisk 5- til 10-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, (C₃-C₇)-sykloalkyl, og 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S, hvor alkylen er valgfritt substituert med én eller flere R₁₁, og arylen, heteroarylen og heterosykloalkylen er valgfritt substituert med én eller flere
- 25 substituenten som hver uavhengig velges blant halogen, (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl og (C₁-C₆)-alkoksy, eller
- to R₇ sammen med karbonatomet de er bundet til, danner en =(O), eller
- to R₇, når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C₆-C₁₀)-arylring eller en 5- eller 6-leddet heteroarylring
- 30 omfattende 1 til 3 heteroatomer valgt blant O, N og S, valgfritt substituert med én eller flere R₁₀, eller
- to R₇ sammen med atomene som de er bundet til, danner en (C₅-C₇)-sykloalkylring eller en 5- til 7-leddet heterosykloalkylring omfattende 1 til 3 heteroatomer valgt blant O, N og S, valgfritt substituert med én eller flere R₁₀;

- R_8 og R_9 er hver uavhengig H eller (C₁-C₆)-alkyl;
 hver R_{10} velges uavhengig blant (C₁-C₆)-alkyl, (C₁-C₆)-alkoksy, (C₁-C₆)-haloalkyl, (C₁-C₆)-haloalkoksy, (C₁-C₆)-hydroksyalkyl, halogen, -OH, -NH₂ og CN, eller
 to R_{10} sammen med karbonatomet de er bundet til, danner en =O);
 5 hver R_{11} velges uavhengig blant CN, (C₁-C₆)-alkoksy, (C₆-C₁₀)-aryl og 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S, hvor arylen og heterosykloalkylen er valgfritt substituert med én eller flere substituenten hver uavhengig valgt blant (C₁-C₆)-alkyl, (C₁-C₆)-alkoksy, (C₁-C₆)-haloalkyl, (C₁-C₆)-haloalkoksy, (C₁-C₆)-hydroksyalkyl, halogen, -OH, -NH₂ og CN;
 10 R_{12} er (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₆-C₁₀)-aryl eller 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S;
 R_x er H eller D;
 p er 0, 1 eller 2;
 n er 0, 1 eller 2;
 15 n₁ er 1 eller 2, hvor $n + n_1 \leq 3$; og
 q er 0, 1, 2, 3 eller 4.

2. Forbindelse ifølge krav 1, som har en formel (I):



- 20 eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav, hvori:

- X_1 er CR₃;
 ===== er valgfritt en dobbeltbinding når X_1 er CR₃ og R₃ er fraværende;
 hver R₁ er uavhengig (C₁-C₆)-alkyl, (C₁-C₆)-haloalkyl, (C₁-C₆)-hydroksyalkyl eller
 25 halogen;
 R₂ er (C₁-C₆)-alkyl, (C₆-C₁₀)-aryl, 5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, eller (C₃-C₈)-sykloalkyl, hvor alkylen er valgfritt substituert med én eller flere R₄; og arylen, heteroarylen og sykloalkylen er valgfritt substituert med én eller flere R₅;
 30 R₃ er H eller R₃ er fraværende når ===== er en dobbeltbinding;

- hver R_4 velges uavhengig blant $-C(O)OR_6$, $-C(O)NR_6R_6$, $-NR_6C(O)R_6$, (C_6-C_{10}) -aryl, 5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, (C_3-C_8) -sykloalkyl og 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S, hvor aryl-, heteroaryl-, sykloalkyl- og heterosykloalkylgruppene er valgfritt substituert med én eller flere R_7 ;
- hver R_5 velges uavhengig blant (C_1-C_6) -alkyl, (C_2-C_6) -alkenyl, (C_2-C_6) -alkynyl, (C_1-C_6) -alkoksy, (C_1-C_6) -haloalkyl, (C_1-C_6) -haloalkoksy, (C_1-C_6) -hydroksyalkyl, halogen, $-OH$, $-NH_2$, CN , (C_3-C_7) -sykloalkyl, 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S, (C_6-C_{10}) -aryl og 5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, eller to R_5 , når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C_6-C_{10}) -arylring eller en 5- eller 6-leddet heteroarylring omfattende 1 til 3 heteroatomer valgt blant O, N og S, valgfritt substituert med én eller flere R_{10} , eller
- to R_5 , når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C_5-C_7) -sykloalkylring eller en 5- til 7-leddet heterosykloalkylring omfattende 1 til 3 heteroatomer valgt blant O, N og S valgfritt substituert med én eller flere R_{10} ;
- R_6 og R_6 er hver uavhengig H eller (C_1-C_6) -alkyl;
- hver R_7 velges uavhengig blant (C_1-C_6) -alkyl, (C_2-C_6) -alkenyl, (C_2-C_6) -alkynyl, (C_1-C_6) -alkoksy, (C_1-C_6) -haloalkyl, (C_1-C_6) -haloalkoksy, $-C(O)R_8$, $-C(O)OR_8$, $-C(O)NR_8R_9$, $-NR_8C(O)R_9$, (C_1-C_6) -hydroksyalkyl, halogen, $-OH$, $-NH_2$, CN , (C_6-C_{10}) -aryl, 5- eller 6-leddet heteroaryl omfattende 1 til 3 heteroatomer valgt blant O, N og S, (C_3-C_7) -sykloalkyl og 5- til 7-leddet heterosykloalkyl omfattende 1 til 3 heteroatomer valgt blant O, N og S, eller to R_7 , når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C_6-C_{10}) -arylring eller en 5- eller 6-leddet heteroarylring omfattende 1 til 3 heteroatomer valgt blant O, N og S, valgfritt substituert med én eller flere R_{10} , eller
- to R_7 , når de befinner seg på naboliggende atomer, sammen med atomene som de er bundet til, danner en (C_5-C_7) -sykloalkylring eller en 5- til 7-leddet heterosykloalkylring omfattende 1 til 3 heteroatomer valgt blant O, N og S valgfritt substituert med én eller flere R_{10} ;
- R_8 og R_9 er hver uavhengig H eller (C_1-C_6) -alkyl;

hver R_{10} velges uavhengig blant (C_1-C_6) -alkyl, (C_1-C_6) -alkoksy, (C_1-C_6) -haloalkyl, (C_1-C_6) -haloalkoksy, (C_1-C_6) -hydroksyalkyl, halogen, -OH, -NH₂ og CN;

R_x er H eller D;

n er 1 eller 2; og

5 q er 0, 1, 2, 3 eller 4, fortrinnsvis er q 0, 1 eller 2.

3. Forbindelse ifølge krav 1 eller 2, hvor n er 1.

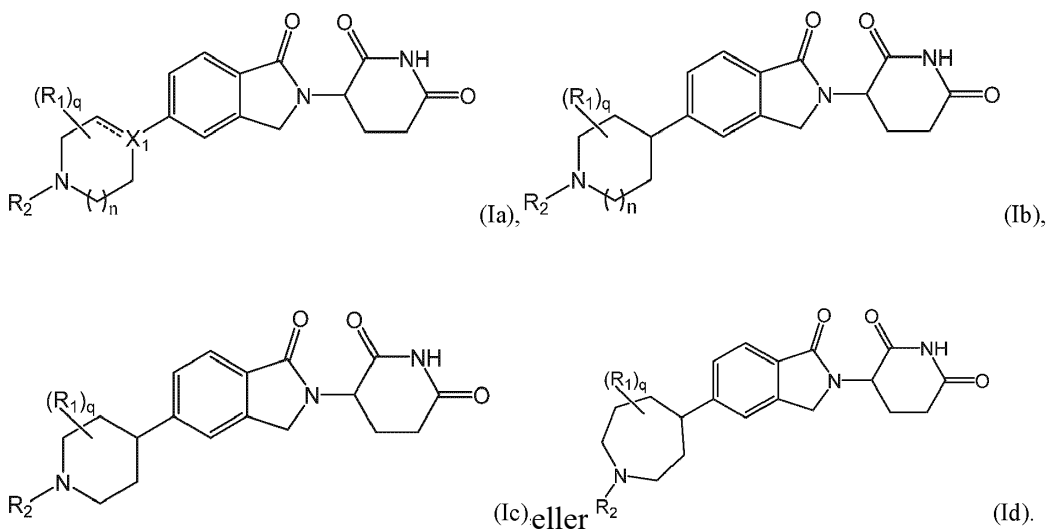
4. Forbindelse ifølge krav 1 eller 2, hvor n er 2.

10

5. Forbindelse ifølge et hvilket som helst av de foregående krav, hvor X_1 er CH.

6. Forbindelse ifølge et hvilket som helst av de foregående krav, hvor R_x er H.

15 7. Forbindelse ifølge krav 1, som har en formel (Ia), formel (Ib), formel (Ic) eller formel (Id):



20 8. Forbindelse ifølge et hvilket som helst av de foregående krav, hvor R_2 er (C_6-C_{10}) -aryl eller (C_3-C_8) -sykloalkyl, hvor arylene og sykloalkylen er valgfritt substituert med én til tre R_5 , fortrinnsvis er R_2 (C_6-C_{10}) -aryl eller (C_3-C_8) -sykloalkyl.

9. Forbindelse ifølge et hvilket som helst av kravene 1-7, hvor R_2 er (C_1-C_6) -alkyl valgfritt
25 substituert med én til tre R_4 .

10. Forbindelse ifølge krav 1, valgt blant:

- 3-(5-(1-ethylpiperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-propylpiperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(syklopropylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-isobutylpiperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(1-(syklobutylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(oksazol-2-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(tiazol-2-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(syklopentylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-((5-klortiofen-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((2-klortiazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(sykloheksylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(1-okso-5-(1-(2-(pyrrolidin-1-yl)etyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((tetrahydro-2H-pyran-4-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-fenetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(5-(1-(3-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3-klorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-klorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(2-(piperidin-1-yl)etyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(5-(1-((3,5-dimetylisoksazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1,3-dimetyl-1H-pyrazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-((6-metylpyridin-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3-morfolinopropyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2,6-difluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-(2,6-diklorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-(3,5-difluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-(3,5-dibrombenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-(3-klor-5-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
5 dion;
3-(5-(1-(2,5-difluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-(2,5-diklorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-
yl)metyl)benzonitril;
10 3-(5-(1-(4-(hidroksimetyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-
2,6-dion;
3-(5-(1-(3,4-diklorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-(4-klor-2-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
15 3-(5-(1-(2-klor-4-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-
yl)metyl)benzonitril;
3-(5-(1-(2,3-difluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
20 2-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-
yl)metyl)benzonitril;
3-(5-(1-(4-metoksiybenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-(2,5-dimetylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
25 3-(5-(1-(3,4-dimetylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-(5-(1-(2,4-dimetylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-(5-(1-((1H-indazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-
30 2,6-dion;
3-(5-(1-((1H-benzo[d]imidazol-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-
yl)piperidin-2,6-dion;
3-(5-(1-(4-isopropylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;

- metyl 5-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)furan-2-karboksylat;
- 3-(5-(1-(naftalen-2-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(1-okso-5-(1-(kinolin-2-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(naftalen-1-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1-metyl-1H-benzo[d]imidazol-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(1-okso-5-(1-(4-(trifluormetoksy)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(1H-pyrrol-1-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(1H-1,2,4-triazol-1-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(1-okso-5-(1-(3-(trifluormetoksy)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(2-(trifluormetoksy)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(5-(1-benzylpiperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(pyridin-2-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(pyridin-3-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(pyridin-4-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(pyrimidin-5-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(1-okso-5-(1-(1-fenyletyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(fluormetyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3,4-difluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 2-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)pyrimidin-5-karbonitril;
- 3-(5-(1-(4-etylbenezyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-metoksybenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-((2-metoksypyrimidin-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3-fluor-4-metylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(1-(4-(difluormetyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)benzamin;
- 4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)benzosyre;
- 10 3-(5-(1-(3-(difluormetyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)benzosyre;
- 15 3-(1-okso-5-(1-(4-propylbenzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(4-(trifluormetyl)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(difluormetoksy)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(1-okso-5-(1-((5-(trifluormetyl)pyridin-2-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3-(difluormetoksy)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-(difluormetoksy)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(5-(1-(4-syklobutylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((2,3-dihydrobenzo[b][1,4]dioksin-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-((2,3-dihydrobenzo[b][1,4]dioksin-6-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(*tert*-butyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-isobutylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- N-(4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)fenyl)acetamid;
- 3-(5-(1-((2,2-difluorbenzo[d][1,3]dioksol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(1-((3,4-dihydro-2H-benzo[b][1,4]dioksepin-7-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(4-(*tert*-pentyl)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-([1,1'-bifenyl]-4-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(1H-pyrazol-1-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(1H-imidazol-1-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(5-(1-(3-(1H-pyrazol-1-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-sykloheksylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(pyrimidin-2-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(5-(1-(4-brombenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-klorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3,5-diklorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-klor-3-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(5-(1-(3-klor-4-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2,4-difluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3-metoksybenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-(benzo[c][1,2,5]oksadiazol-5-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-syklopropylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-((1,3-dihydroisobenzofuran-5-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(2-(trifluormethyl)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(1-(3-isopropoksybenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(4-(tiofen-3-yl)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-(4-syklopentylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(4-(pyrrolidin-1-yl)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-fluorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2,4-diklorbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(1-okso-5-(1-(kinolin-8-ylmethyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1-metyl-1H-pyrazol-4-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1H-pyrazol-4-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(5-(1-((1-metyl-1H-pyrazol-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1H-pyrazol-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(5-(1-((1H-pyrrol-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1H-imidazol-5-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1-etyl-1H-pyrazol-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-((2-aminopyrimidin-5-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((6-aminopyridin-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-((5-amino-1-metyl-1H-pyrazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((6-metylimidazo[2,1-b]tiazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(1-(imidazo[1,2-a]pyrazin-3-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-([1,2,4]triazolo[1,5-a]pyridin-5-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(pyrazolo[1,5-a]pyridin-4-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-((1,4-dimetyl-1H-imidazol-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(benzo[d]tiazol-5-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(1-okso-5-(1-(pyrazolo [1,5-a]pyrimidin-6-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(imidazo [1,2-a]pyrimidin-3-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(imidazo[1,2-a]pyrimidin-2-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(5-(1-((1-syklobutyl-1H-1,2,3-triazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((4,5,6,7-tetrahydropyrazolo[1,5-a]pyridin-2-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(5-(1-((1H-indol-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1H-indazol-6-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1H-pyrrolo[2,3-b]pyridin-3-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)benzamid;
- 3-(5-(1-((1H-pyrrolo[2,3-b]pyridin-6-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-((3,4-dihydro-2H-benzo[b][1,4]tiazin-6-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((2-(pyrrolidin-1-yl)pyrimidin-5-yl)methyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(1-((2-(*tert*-butyl)tiazol-4-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((2-(tiofen-2-yl)tiazol-5-yl)methyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((5-syklopropyl-1H-pyrazol-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-((2-morfolinopyrimidin-5-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((3-fenyl-1H-pyrazol-4-yl)methyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(5-(1-((6-metyl-1H-indol-3-yl)methyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- metyl 4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)methyl)-1H-pyrrol-2-karboksylat;
- 3-(1-okso-5-(1-((3-(pyridin-3-yl)-1H-pyrazol-4-yl)methyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(1-okso-5-(1-((5-(pyridin-2-yl)-1H-pyrazol-3-yl)methyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3,5-difluor-4-hidroksybenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(5-(1-(2-metylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-metylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3,5-dimetylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-((2S)-1-benzyl-2-metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-((2R)-1-benzyl-2-metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-benzyl-2-metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-metyl-1,2,3,6-tetrahydropyridin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((5,6,7,8-tetrahydronaftalen-1-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(5-(azepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-((R)-azepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-((S)-azepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((1,2,3,4-tetrahydronaftalen-1-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 10 metyl 2-(4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)acetat;
- 3-(1-okso-5-(1-fenylpiperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(3-metylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2,6-dimetylbenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
- 15 dion;
- 3-(1-okso-5-(1-((5,6,7,8-tetrahydronaftalen-2-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- etyl 2-(4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)acetat;
- tert*-butyl 2-(4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-
- 20 yl)acetat;
- 2-(4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)eddiksyre;
- 3-(1-okso-5-(1-(3,3,3-trifluorpropyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 2-(4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)-N-
- 25 fenylacetamid;
- 3-(5-(1-(3-fluorpropyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- tert*-butyl 4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)benzoat;
- 3-(5-(1-benzyl-3,3-dimetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-benzyl-3-metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-hidroksy-1-fenyletyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-((S)-1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-benzyl-2,5-dihydro-1H-pyrrol-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-benzyl-2-oksopiperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-benzyl-1,2,3,4-tetrahydrokinolin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1-benzyl-1H-tetrazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((5-fenyl-1,3,4-oksadiazol-2-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(benzo[d]tiazol-2-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((3-(pyridin-2-yl)-1H-pyrazol-5-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((R)-2-hidroksy-1-fenyletyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1-metyl-1H-indazol-3-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1,2,4-oksadiazol-3-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-hidroksy-3-((4-metyl piperazin-1-yl)metyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 2-(4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)fenyl)acetonitril;
- 3-(5-(1-((7-hidroksy-2-metylpyrazolo[1,5-a]pyrimidin-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2,2-difluor-1-fenyletyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((3-fluorbisyklo[1.1.1]pentan-1-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2-fluor-1-fenyletyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((4-okso-3,4-dihydrotieno [3,2-d]pyrimidin-2-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(kinolin-4-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;

- 3-(5-(1-(3,5-bis(trifluormetyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 6-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)pikolinonitril;
- 5 2-(4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)fenoksy)acetonitril;
- 3-(5-(1-((1H-indazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(2,2-difluoretyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-((7-metyl-4-okso-4H-pyrido[1,2-a]pyrimidin-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- benzyl 4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-karboksylat;
- 3-(1-okso-5-(1-(2-fenylacetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(1-okso-5-(1-(2,2,2-trifluor-1-fenyletyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(5-metylbenzo[d]tiazol-2-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(isokinolin-1-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(5-(1-(4-(4-metoksypiperidin-1-yl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(isopropyltio)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(1-okso-5-(1-((S)-1-fenyletyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 2-(4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)fenyl)eddiksyre;
- 3-(5-(1-((7-fluorkinolin-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-((2-amino-4-(trifluormetyl)tiazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)-1,2,4-oksadiazol-5-karboksamid;

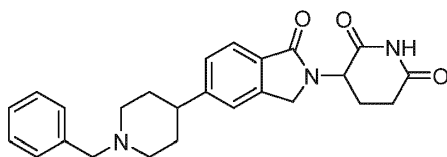
- 3-(5-(1-(3-(morfolinosulfonyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 4-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)-N,N-dimetylbenzensulfonamid;
- 5 3-(1-okso-5-(1-(tiazol-4-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-(kinoksalin-6-ylmetyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(*tert*-butyl)benzoyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 10 3-(5-(1-(4-((4-fluorbenzyl)oksy)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((3-metylisoksazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(isoksazol-3-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 3-(1-okso-5-(1-((R)-1-fenyletyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-(metoksymetyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((S)-2-hidroksy-1-fenyletyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 20 3-(1-okso-5-(1-(fenylsulfonyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((5-metyl-3-fenylisoksazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-(4-((difluormetyl)sulfonyl)benzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 25 3-(1-okso-5-(1-(2,2,2-trifluoretyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- metyl 2-((4-(2-(2,6-dioksopiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)oksazol-4-karboksylat;
- 3-(1-okso-5-(1-(4-(pyridin-2-ylmetoksy)benzyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 30 3-(5-(1-acetylpiperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((2-okso-2,3-dihydro-1H-benzo[d]imidazol-5-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-benzylpyrrolidin-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

- (R)-3-(5-((R)-1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
(S)-3-(5-((S)-1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-metyl-2,3,6,7-tetrahydro-1H-azepin-4-yl)-1-oksoisoindolin-2-yl)piperidin-
5 2,6-dion;
3-(5-(8-benzyl-8-azabisyklo[3.2.1]oktan-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-(5-(8-azabisyklo[3.2.1]oktan-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-acetyl-1,2,5,6-tetrahydropyridin-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
10 dion;
(R)-3-(5-((R)-1-acetylpyrrolidin-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-acetyl-1,2,3,6-tetrahydropyridin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-(5-(oktahydroindolizin-7-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
15 (R)-3-(5-((S)-1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-((R)-1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-acetyl-2,5-dihydro-1H-pyrrol-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-(5-(1-metylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
20 (S)-3-(5-((R)-1-benzylazepan-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
(S)-3-(5-((R)-1-acetylpyrrolidin-3-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(5-(1-((6-isopropoksypyridin-3-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-
yl)piperidin-2,6-dion;
3-(1-okso-5-(1-((1-fenyl-1H-pyrazol-5-yl)metyl)piperidin-4-yl)isoindolin-2-
25 yl)piperidin-2,6-dion;
3-(5-(1-(4-etoksybenzyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
3-(1-okso-5-(1-((1-fenyl-1H-pyrazol-4-yl)metyl)piperidin-4-yl)isoindolin-2-
yl)piperidin-2,6-dion;
3-(5-(1-((1-isopropyl-1H-pyrazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-
30 yl)piperidin-2,6-dion;
3-(5-(1-(isotiazol-5-ylmetyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-
dion;
3-(5-(1-((1-isopropyl-1H-pyrazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-
yl)piperidin-2,6-dion;

- 3-(5-(1-((1H-pyrazol-5-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((5-isopropoksy-pyridin-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 5 3-(1-okso-5-(1-((1-(pyridin-3-yl)-1H-pyrazol-5-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 3-(1-okso-5-(1-((1-(pyridin-3-yl)-1H-pyrazol-4-yl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- 10 5-((4-(2-(2,6-dioxypiperidin-3-yl)-1-oksoisoindolin-5-yl)piperidin-1-yl)metyl)-2-fluorbenzonitril;
- 3-(5-(1-((5-fluorpyridin-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 3-(5-(1-((1-etyl-3-(pyridin-3-yl)-1H-pyrazol-4-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;
- 15 *trans*-3-(1-okso-5-(1-((4-(trifluormetyl)sykloheksyl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- cis*-3-(1-okso-5-(1-((4-(trifluormetyl)sykloheksyl)metyl)piperidin-4-yl)isoindolin-2-yl)piperidin-2,6-dion;
- trans*-3-(5-(1-((4-metoksysykloheksyl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion; og
- 20 3-(5-(1-((6-metoksy-pyridin-2-yl)metyl)piperidin-4-yl)-1-oksoisoindolin-2-yl)piperidin-2,6-dion;

eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav.

- 25 11. Forbindelse ifølge krav 1, hvori forbindelsen er:



eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav.

12. Farmasøytisk sammensetning som omfatter en forbindelse ifølge et hvilket som helst av
- 30 kravene 1-11 eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav, og en farmasøytisk akseptabel bærer eller eksipiens, valgfritt videre omfattende i det minste ett ytterligere farmasøytisk middel.

13. Forbindelse ifølge et hvilket som helst av kravene 1-11 eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav for anvendelse som et medikament.
- 5 14. Forbindelse ifølge et hvilket som helst av kravene 1-11 eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav eller farmasøytisk sammensetning ifølge krav 12 for anvendelse i behandlingen av kreft.
- 10 15. Forbindelse eller farmasøytisk sammensetning for anvendelse ifølge krav 14, hvor kreften velges blant en kreft for hvilken immunresponsen er mangelfull eller er en immunogen kreft, ikke-småcellet lungekreft (NSCLC), melanom, trippel negativ brystkreft (TNBC), nasofaryngeal kreft (NPC), mikrosatellittstabil tarmkreft (mssCRC), tymom, karsinoid, akutt myelogen leukemi og gastrointestinal stromal tumor (GIST).
- 15 16. Forbindelse ifølge et hvilket som helst av kravene 1-11 eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav for anvendelse i behandlingen av en IKZF2-avhengig sykdom eller lidelse.
- 20 17. Farmasøytisk kombinasjon som omfatter en forbindelse ifølge et hvilket som helst av kravene 1-11 eller et farmasøytisk akseptabelt salt, hydrat, solvat, stereoisomer eller tautomer derav, og ett eller flere ytterligere terapeutiske midler.