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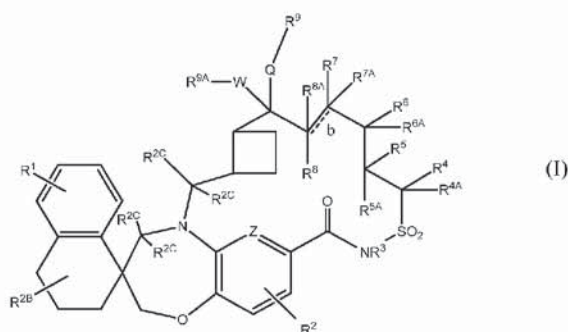
Crescent Heights Blvd., Los Angeles, California 90035 (US). PICKRELL, Alexander J.; 30948 Minute Man Way, Westlake Village, California 91361 (US). STEC, Markian M.; One Amgen Center Drive, Thousand Oaks, California 91320 (US). TAYGERLY, Joshua; 213 Acadia Street, San Francisco, California 94131 (US).

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(81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AO, AT, AU, AZ, BA, BB, BG, BH, BN, BR, BW, BY, BZ, CA, CH, CL, CN, CO, CR, CU, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IR, IS, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, ME, MG, MK, MN, MW, MX, MY, MZ, NA, NG, NI, NO, NZ, OM, PA, PE, PG, PH, PL, PT, QA, RO, RS, RU, RW, SA, SC, SD, SE, SG, SK, SL, SM, ST, SV, SY, TH, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, ZA, ZM, ZW.

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(54) Title: COMPOUNDS THAT INHIBIT MCL-1 PROTEIN



(57) Abstract: Provided herein are myeloid cell leukemia 1 protein (Mcl-1) inhibitors, methods of their preparation, related pharmaceutical compositions, and methods of using the same. For example, provided herein are compounds of Formula (I), or a stereoisomer thereof; and pharmaceutically acceptable salts thereof and pharmaceutical compositions containing the compounds. The compounds and compositions provided herein may be used, for example, in the treatment of diseases or conditions, such as cancer.

Declarations under Rule 4.17:

- *as to applicant's entitlement to apply for and be granted a patent (Rule 4.17(ii))*
- *as to the applicant's entitlement to claim the priority of the earlier application (Rule 4.17(iii))*

Published:

- *with international search report (Art. 21(3))*

From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

FRIEDRICHSEN, Bernard P.
AMGEN INC.
Patent Operations M/S 35-1-B
One Amgen Center Drive
Thousand Oaks, California 91320-1799
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 24 September 2019 (24.09.2019)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference A-2139-WOPCT	
International application No. PCT/US2018/024723	International filing date (day/month/year) 28 March 2018 (28.03.2018)

1. The following indications appeared on record concerning:		
☐ the applicant	☒ the inventor	☐ the agent
☐ the common representative		
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2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☐ the name	☒ the address
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☐ the residence		
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3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
☒ the receiving Office	☐ the International Preliminary Examining Authority	
☒ the International Searching Authority	☒ the designated Offices concerned	
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	Facsimile No.	
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Name and Address KALLER, Matthew R. c/o Amgen Inc. One Amgen Center Drive Law Dept. - Patent Operations Mail Stop 28-5-A Thousand Oaks, California 91320-1799 United States of America	State of Nationality	State of Residence
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Name and Address LANMAN, Brian Alan 6000 De Soto Avenue #305 Woodland Hills, California 91367 United States of America	State of Nationality	State of Residence
	Telephone No.	
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Name and Address LANMAN, Brian Alan c/o Amgen Inc. One Amgen Center Drive Law Dept. - Patent Operations Mail Stop 28-5-A Thousand Oaks, California 91320-1799 United States of America	State of Nationality	State of Residence
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Name and Address LI, Kexue 274 Via Antonio Newbury Park, California 91320 United States of America	State of Nationality	State of Residence
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Name and Address LOW, Jonathan D. 19355 Sherman Way #39 Reseda, California 91335 United States of America	State of Nationality	State of Residence
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Name and Address MINATTI, Ana Elena 1616 S. Crescent Heights Blvd. Los Angeles, California 90035 United States of America	State of Nationality	State of Residence
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International application No. PCT/US2018/024723	International filing date (day/month/year) 28 March 2018 (28.03.2018)

1. The following indications appeared on record concerning:		
☐ the applicant	☒ the inventor	☐ the agent
☐ the common representative		
Name and Address STEC, Markian M. One Amgen Center Drive Thousand Oaks, California 91320 United States of America	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☐ the name	☒ the address
☐ the nationality		
☐ the residence		
Name and Address STEC, Markian M. c/o Amgen Inc. One Amgen Center Drive Law Dept. - Patent Operations Mail Stop 28-5-A Thousand Oaks, California 91320-1799 United States of America	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	
3. Further observations, if necessary:		
4. A copy of this notification has been sent to:		
☒ the receiving Office	☐ the International Preliminary Examining Authority	
☒ the International Searching Authority	☒ the designated Offices concerned	
☐ the Authority(ies) specified for supplementary search	☐ the elected Offices concerned	
	☐ other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Moussaid El Mostafa e-mail pct.team6@wipo.int Telephone No. +41 22 338 74 06
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From the INTERNATIONAL BUREAU

PCTNOTIFICATION OF THE RECORDING
OF A CHANGE(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

To:

FRIEDRICHSEN, Bernard P.
AMGEN INC.
Patent Operations M/S 35-1-B
One Amgen Center Drive
Thousand Oaks, California 91320-1799
ÉTATS-UNIS D'AMÉRIQUE

Date of mailing (day/month/year) 24 September 2019 (24.09.2019)	IMPORTANT NOTIFICATION
Applicant's or agent's file reference A-2139-WOPCT	
International application No. PCT/US2018/024723	International filing date (day/month/year) 28 March 2018 (28.03.2018)

1. The following indications appeared on record concerning:		
☐ the applicant	☒ the inventor	☐ the agent
☐ the common representative		
Name and Address TAYGERLY, Joshua 213 Acadia Street San Francisco, California 94131 United States of America	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address	
2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning:		
☐ the person	☐ the name	☒ the address
☐ the nationality		
☐ the residence		
Name and Address TAYGERLY, Joshua c/o Amgen Inc. One Amgen Center Drive Law Dept. - Patent Operations Mail Stop 28-5-A Thousand Oaks, California 91320-1799 United States of America	State of Nationality	State of Residence
	Telephone No.	
	Facsimile No.	
	E-mail address ☐ Notifications by e-mail authorized	
3. Further observations, if necessary:		
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☒ the receiving Office	☐ the International Preliminary Examining Authority	
☒ the International Searching Authority	☒ the designated Offices concerned	
☐ the Authority(ies) specified for supplementary search	☐ the elected Offices concerned	
	☐ other:	

The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland	Authorized officer Moussaid El Mostafa e-mail pct.team6@wipo.int Telephone No. +41 22 338 74 06
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