

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
24 September 2020 (24.09.2020)



(10) International Publication Number
WO 2020/190890 A8

(51) International Patent Classification:

A61K 31/455 (2006.01) A61P 13/12 (2006.01)

(21) International Application Number:

PCT/US2020/023016

(22) International Filing Date:

16 March 2020 (16.03.2020)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

62/819,372 15 March 2019 (15.03.2019) US

(71) Applicant: **UNICYCIVE THERAPEUTICS INC.**
[US/US]; 5150 El Camino Real, Suite A-32, Los Altos, CA
94022 (US).

(72) Inventors: **GUPTA, Shalabh**; 1355 Cuernavaca Circulo,
Mountain View, CA 94040 (US). **DUGAR, Sundeeep**, 5943
Sterling Oaks Drive, San Jose, CA 95120 (US).

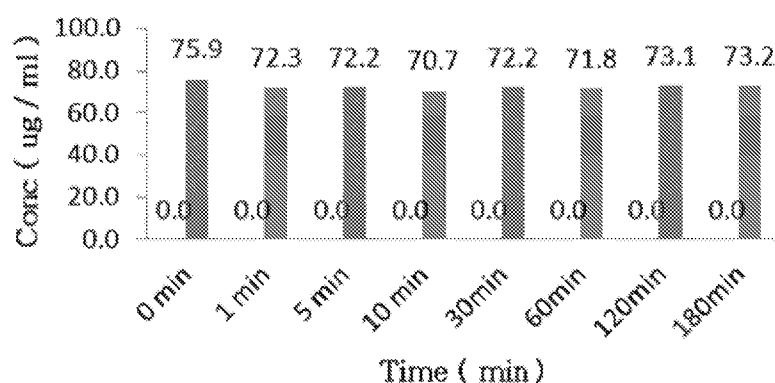
(74) Agent: **MURPHY, Anina, D.**; Squire Patton Boggs (US)
LLP, 275 Battery Street, Suite 2600, San Francisco, CA
94111 (US).

(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, ST, SV, SY, TH, TJ, TM, TN, TR,
TT, TZ, UA, UG, US, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LR, LS, MW, MZ, NA, RW, SD, SL, ST, SZ, TZ,
UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, RU, TJ,
TM), European (AL, AT, BE, BG, CH, CY, CZ, DE, DK,
EE, ES, FI, FR, GB, GR, HR, HU, IE, IS, IT, LT, LU, LV,
MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW,
KM, ML, MR, NE, SN, TD, TG).

(54) Title: NICORANDIL DERIVATIVES

Figure 2



(57) Abstract: Disclosed herein are pyridyl compounds. Also described are specific conjugated nicorandil compounds. Also disclosed are pharmaceutical compositions that include the compounds. Methods of using the pyridyl compounds are disclosed for the treatment of diseases or conditions related to kidney or kidney functions.



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))*
- *with information concerning incorporation by reference of missing element or part (Rule 20.6)*

(48) Date of publication of this corrected version:

10 September 2021 (10.09.2021)

(15) Information about Correction:

see Notice of 10 September 2021 (10.09.2021)