(12) INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
15 October 2020 (15.10.2020)

WIPO | PCT

(10) International Publication Number
WO 2020/208050 A1

(51) International Patent Classification:
C12N 5/00 (2006.01)

(21) International Application Number:
PCT/EP2020/059950

(22) International Filing Date:
08 April 2020 (08.04.2020)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
19168683.1 11 April 2019 (11.04.2019) EP

(71) Applicant: **MERCK PATENT GMBH** [DE/DE]; Frankfurter Strasse 250, 64293 Darmstadt (DE).

(72) Inventors: **ZIMMER, Aline**; Gruener Weg 12, 64521 GROSS-GERAU (DE). **SEIBEL, Ronja**; Reuterallee 10, 64297 DARMSTADT (DE). **SCHMIDT, Corinna**; Goethestrasse 64, 64347 GRIESHEIM (DE). **WILLE, Gregor Franz Werner**; Brunnenstrasse 1, 9470 BUCHS (CH). **FISCHER, Markus Klaus Robert**; Centralstrasse 2, 9444 DIEPOLDSAU (CH).

(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).

Published:
— *with international search report (Art. 21(3))*

WO 2020/208050 A1

(54) Title: CELL CULTURE MEDIA COMPRISING KETO ACIDS

(57) Abstract: The present invention relates to cell culture media comprising alpha keto acids. The poor solubility of some amino acids like isoleucine, leucine and valine can be overcome by substituting them with the respective alpha keto acid.