

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

(19) World Intellectual Property
Organization
International Bureau

(43) International Publication Date
09 June 2022 (09.06.2022)



(10) International Publication Number
WO 2022/118183 A1

(51) International Patent Classification:

A61K 31/20 (2006.01) *A61P 25/28* (2006.01)
A61K 31/353 (2006.01) *A61P 35/00* (2006.01)
A61P 9/10 (2006.01) *A61P 39/00* (2006.01)
A61P 17/06 (2006.01) *A61K 8/36* (2006.01)
A61P 19/02 (2006.01) *A61K 8/49* (2006.01)
A61P 25/00 (2006.01) *A61P 31/14* (2006.01)
A61P 25/16 (2006.01) *A61P 31/18* (2006.01)

(21) International Application Number:

PCT/IB2021/061101

(22) International Filing Date:

30 November 2021 (30.11.2021)

(25) Filing Language:

Italian

(26) Publication Language:

English

(30) Priority Data:

102020000029213 01 December 2020 (01.12.2020) IT

(71) Applicant: **BIONEXA S.R.L.** [IT/IT]; Via Alfredo
Giovine, 70, 70126 Bari (IT).

(72) Inventors: **RUSSO, Venera**; c/o Bionexa Srl, Via Al-
fredo Giovine, 70, 70126 Bari (IT). **PITARI, Giovanni**
Mario; c/o Bionexa Srl, Via Alfredo Giovine, 70, 70126

Bari (IT). **LEOTTA, Claudia Giovanna**; c/o Bionexa Srl,
Via Alfredo Giovine, 70, 70126 Bari (IT). **CORREALE,**
Mario; c/o Bionexa Srl, Via Alfredo Giovine, 70, 70126
Bari (IT). **CORREALE, Paolo**; c/o Bionexa Srl, Via Alfre-
do Giovine, 70, 70126 Bari (IT).

(74) Agent: **LUNATI & MAZZONI S.R.L.**; Via Carlo
Pisacane, 36, 20129 Milano (IT).

(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, IT, 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,

(54) Title: SENOTHERAPEUTIC SUBSTANCE

MCF7 Cells (Breast)

*, p<0.05; **, p<0.01; ***, p<0.001 vs Q

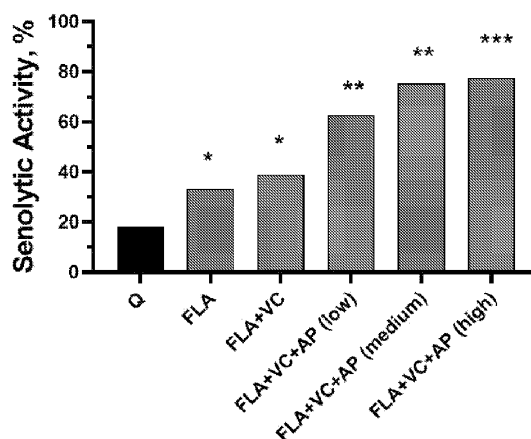


Fig. 1

(57) Abstract: It is provided a senotherapeutic substance characterized by comprising flavonoids, fatty acids, and, preferably, phenolic acids and / or vitamins.

[Continued on next page]

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))