

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

(19) World Intellectual Property
Organization
International Bureau



(10) International Publication Number
WO 2021/165499 A1

(43) International Publication Date
26 August 2021 (26.08.2021)

(51) International Patent Classification:

A61K 39/00 (2006.01) A61K 39/395 (2006.01)
A61K 38/17 (2006.01)

(21) International Application Number:

PCT/EP2021/054215

(22) International Filing Date:

19 February 2021 (19.02.2021)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:

20158553.6 20 February 2020 (20.02.2020) EP

(71) Applicant: **ENTHERA S.R.L.** [IT/IT]; Via Vincenzo
Gioberti 8, 20123 Milano (MI) (IT).

(72) Inventor: **AMABILE, Giovanni**; Enthera S.r.l. Via Vin-
cenzo Gioberti 8, 20123 Milano (MI) (IT).

(74) Agent: **CAPASSO, Olga** et al.; De Simone and Partners
S.r.l., Via Vincenzo Bellini, 20, 00198 Rome (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,
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))
- with sequence listing part of description (Rule 5.2(a))

(54) Title: INHIBITORS AND USES THEREOF

(57) Abstract: The present invention relates to inhibitors of IGFBP5 and/or of at least one of its receptors, wherein said inhibitor has anti-fibrotic effect, methods for their production, pharmaceutical compositions containing said inhibitors, and uses thereof. In particular, the invention relates to antibodies or antigen binding fragments thereof that bind specifically to human IGFBP5 and/or to at least one of its receptors.



WO 2021/165499 A1