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

(19) World Intellectual Property Organization
International Bureau

(43) International Publication Date
14 August 2025 (14.08.2025)

WIPO | PCT

(10) International Publication Number
WO 2025/168750 A1

(51) International Patent Classification:
A61K 38/17 (2006.01) *A61P 9/10* (2006.01)

(21) International Application Number:
PCT/EP2025/053199

(22) International Filing Date:
07 February 2025 (07.02.2025)

(25) Filing Language: English

(26) Publication Language: English

(30) Priority Data:
24156771.8 09 February 2024 (09.02.2024) EP

(71) Applicant: **CSL BEHRING AG** [CH/CH]; Wankdorfstrasse 10, 3014 Bern (CH).

(72) Inventors: **OWCZAREK, Catherine**; c/o CSL Limited, 655 Elizabeth Street, Melbourne, Victoria 3000 (AU). **CRACK, Peter**; c/o The University of Melbourne, Level 5, Alan Gilbert Building, 161 Barry Street, Melbourne, Victoria 3010 (AU).

(74) Agent: **CSL GLOBAL IP**; c/o CSL Behring GmbH, Emil-von-Behring-Strasse 76, 35041 Marburg (DE).

(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, CV, CZ, DE, DJ, DK, DM, DO, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, GT, HN, HR, HU, ID, IL, IN, IQ, IR, IS, IT, JM, JO, JP, KE, KG, KH, KN, KP, KR, KW, KZ, LA, LC, LK, LR, LS, LU, LY, MA, MD, MG, MK, MN, MU, 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, UY, UZ, VC, VN, WS, ZA, ZM, ZW.

(84) Designated States *(unless otherwise indicated, for every kind of regional protection available)*: ARIPO (BW, CV, GH, GM, KE, LR, LS, MW, MZ, NA, RW, SC, 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, ME, 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))*
— *in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE*

WO 2025/168750 A1

(54) Title: HAPTOGLOBIN FOR USE IN TREATING TRAUMATIC BRAIN INJURY (TBI)

(57) Abstract: The present invention relates to haptoglobin (Hp), and optionally hemopexin (Hx), for use in the treatment of traumatic brain injury (TBI) and in particular in the treatment or prevention of a secondary brain injury in a subject suffering from a TBI.