

(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)



(10) International Publication Number
WO 2025/166455 A1

(51) International Patent Classification:

A61K 9/28 (2006.01) *A61K 47/12* (2006.01)
A61K 9/32 (2006.01) *A61P 25/00* (2006.01)
A61K 9/36 (2006.01) *C07C 59/105* (2006.01)
A61K 31/55 (2006.01) *C07D 491/06* (2006.01)

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))
- in black and white; the international application as filed contained color or greyscale and is available for download from PATENTSCOPE

(21) International Application Number:

PCT/CA2025/050154

(22) International Filing Date:

06 February 2025 (06.02.2025)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

18/434,155 06 February 2024 (06.02.2024) US

(71) Applicant: **ALPHA COGNITION INC.** [CA/CA]; 301,
1228 Hamilton Street, Vancouver, British Columbia V6B
6L2 (CA).

(72) Inventors: **MCFADDEN, Michael**; 20073 Fiddler's Green
Rd, Frisco, Texas 92675 (US). **KAY, Denis G.**; 113
Maclauchlan Highlands, Stanhope, Prince Edward Island
C0A 1P0 (CA). **VADDI, Haranath Kumar**; 1944 Aspen
Lane, Weston, Florida 33327 (US).

(74) Agent: **ROACH, Mark**; Altitude IP, 600 Crowfoot Cres-
cent NW, Suite 340, Calgary, Alberta T3G 0B4 (CA).

(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,

(54) Title: PHARMACEUTICAL COMPOSITIONS COMPRISING BENZGALANTAMINE AND USES AND METHODS FOR PREPARATION THEREOF

(57) Abstract: The invention relates to a pharmaceutical composition comprising benzgalantamine and uses and methods for the preparation thereof. The present invention provides a pharmaceutical composition in the form of a tablet, said tablet comprising a tablet core, wherein said core comprises benzgalantamine (ALPHA-1062) or salt thereof, and an enteric coating, wherein said enteric coating is configured for dissolution at pH 5.5 and above. The pharmaceutical composition could be used in the treatment of a brain disease associated with cognitive impairment and/or with a cholinergic deficit. The invention further provides a method for preparing the pharmaceutical composition.



WO 2025/166455 A1