

(19) World Intellectual Property
Organization
International Bureau



(43) International Publication Date
5 August 2004 (05.08.2004)

PCT

(10) International Publication Number
WO 2004/064713 A2

- (51) International Patent Classification⁷: **A61K**
- (21) International Application Number: PCT/EP2004/050026
- (22) International Filing Date: 20 January 2004 (20.01.2004)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
03100106.8 20 January 2003 (20.01.2003) EP
- (71) Applicants (for all designated States except US): **VIB VZW** [BE/BE]; Rijvisschestraat 120, 9052 Zwijnaarde (BE). **UNIVERSITEIT GENT** [BE/BE]; Sint-Pieter-snieuwstraat 25, 9000 Gent (BE).
- (72) Inventors; and
- (75) Inventors/Applicants (for US only): **BEYAERT, Rudi** [BE/BE]; Gentsesteenweg 16, 9750 Zingem (BE). **SCHOTTE, Peter** [BE/BE]; Oude Kerkweg 12, 8460 Ettelgem (BE).
- (74) Common Representative: **VIB VZW**; Rijvisschestraat 120, 9052 Zwijnaarde (BE).
- (81) Designated States (unless otherwise indicated, for every kind of national protection available): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NI, NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG, SK, SL, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US, UZ, VC, VN, YU, ZA, ZM, ZW.
- (84) Designated States (unless otherwise indicated, for every kind of regional protection available): ARIPO (BW, GH, GM, KE, LS, MW, MZ, SD, SL, SZ, TZ, UG, ZM, ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI, FR, GB, GR, HU, IE, IT, LU, MC, NL, PT, RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— without international search report and to be republished upon receipt of that report
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



WO 2004/064713 A2

(54) Title: THE USE OF YOP'S AS CASPASE INHIBITOR

(57) Abstract: The present invention relates to the use of Yops (Yersinia outer membrane proteins) as caspase inhibitor. More specifically, it relates to the use of YopE and YopT as inhibitor of the caspase-1 activity. Said inhibitor can be used to treat caspase-1 related pathologies such as inflammatory diseases, or to inhibit caspase-1 related cell death.