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

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| <b>(51) International Patent Classification</b> <sup>6</sup> :<br><b>C07C 291/02, A61K 31/135</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | <b>A1</b>                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                              | <b>(11) International Publication Number:</b> <b>WO 99/20601</b><br><b>(43) International Publication Date:</b> 29 April 1999 (29.04.99) |
| <b>(21) International Application Number:</b> PCT/US98/21624<br><b>(22) International Filing Date:</b> 16 October 1998 (16.10.98)<br><br><b>(30) Priority Data:</b><br>60/062,324 17 October 1997 (17.10.97) US<br>60/063,736 29 October 1997 (29.10.97) US<br>60/090,475 24 June 1998 (24.06.98) US<br><br><b>(63) Related by Continuation (CON) or Continuation-in-Part (CIP) to Earlier Application</b><br>US 60/062,324 (CON)<br>Filed on 17 October 1997 (17.10.97)<br><br><b>(71) Applicant (for all designated States except US):</b> CENTAUR PHARMACEUTICALS, INC. [US/US]; 484 Oakmead Parkway, Sunnyvale, CA 94086 (US).<br><br><b>(72) Inventors; and</b><br><b>(75) Inventors/Applicants (for US only):</b> KELLEHER, Judith, A. [US/US]; 34701 Woodhue Terrace, Fremont, CA 94555 (US). MAPLES, Kirk, R. [US/US]; 2170 Stratton Place, San Jose, CA 95131 (US). DYKMAN, Alina [—/US]; Apartment 8H, 50 Chumasero Drive, San Francisco, CA 94132 (US). ZHANG, Yong-Kang [CN/US]; Apartment | <b>#16, 3430 Warburton Avenue, Santa Clara, CA 95051 (US). WILCOX, Allan, L. [US/US]; 784 Hans Avenue, Mountain View, CA 94040 (US). LEVELL, Julian [GB/US]; Apartment No. 3045, 1249 Lakeside Drive, Sunnyvale, CA 94086 (US).</b><br><br><b>(74) Agents:</b> BENZ, William, H. et al.; Burns, Doane, Swecker & Mathis, L.L.P., P.O. Box 1404, Alexandria, VA 22313-1404 (US).<br><br><b>(81) Designated States:</b> AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MD, MG, MK, MN, MW, MX, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, UA, UG, US, UZ, VN, YU, ZW, ARIPO patent (GH, GM, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, CY, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GW, ML, MR, NE, SN, TD, TG).<br><br><b>Published</b><br><i>With international search report.</i> |                                                                                                                                          |
| <b>(54) Title:</b> $\alpha$ -ARYL-N-ALKYLNITRONES AND PHARMACEUTICAL COMPOSITIONS CONTAINING THE SAME                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                          |
| <b>(57) Abstract</b><br><br>Disclosed are novel $\alpha$ -aryl-N-alkylnitron compounds and pharmaceutical compositions containing such compounds. The disclosed compositions are useful as therapeutics for preventing and/or treating neurodegenerative, autoimmune and inflammatory conditions in mammals and as analytical reagents for detecting free radicals.                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                    |                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                        |                                                                                                                                          |