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(21) International Application Number: PCT/US97/10149 (22) International Filing Date: 13 June 1997 (13.06.97) (30) Priority Data: 08/665,775 17 June 1996 (17.06.96) US 08/864,545 28 May 1997 (28.05.97) US (71) Applicant: GUILFORD PHARMACEUTICALS INC. [US/US]; 6611 Tributary Street, Baltimore, MD 21224 (US). (72) Inventors: SLUSHER, Barbara, S.; Guilford Pharmaceuticals Inc., 6611 Tributary Street, Baltimore, MD 21224 (US). JACKSON, Paul, F.; Guilford Pharmaceuticals Inc., 6611 Tributary Street, Baltimore, MD 21224 (US). TAYS, Kevin, L.; Guilford Pharmaceuticals Inc., 6611 Tributary Street, Baltimore, MD 21224 (US). MACLIN, Keith, M.; Guilford Pharmaceuticals Inc., 6611 Tributary Street, Baltimore, MD 21224 (US). (74) Agent: NATH, Gary, M.; Nath & Associates, Suite 750, 1835 K Street, N.W., Washington, DC 20006-1203 (US).		(81) Designated States: AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, DE, DK, EE, ES, FI, GB, GE, HU, 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, TJ, TM, TR, TT, UA, UG, UZ, VN, YU, ARIPO patent (GH, KE, LS, MW, SD, SZ, UG, ZW), Eurasian patent (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM), European patent (AT, BE, CH, DE, DK, ES, FI, FR, GB, GR, IE, IT, LU, MC, NL, PT, SE), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, ML, MR, NE, SN, TD, TG). Published <i>With international search report.</i>
(54) Title: METHODS OF CANCER TREATMENT USING NAALADASE INHIBITORS (57) Abstract The present disclosure relates to dipeptidase inhibitors, and more particularly, to novel methods of using phosphonate derivatives, hydroxyphosphinyl derivatives, and phosphoramidate derivatives to inhibit N-Acetylated α -Linked Acidic Dipeptidase (NAALADase) enzyme activity, and to treat prostate diseases, especially using the compounds of the present invention for the inhibition of the growth of prostate cancer cells.		