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(71) Applicant *(for all designated States except US)*: **WARNER-LAMBERT COMPANY** [US/US]; 201 Tabor Road, Morris Plains, NJ 07950 (US).

(72) Inventors; and

(75) Inventors/Applicants *(for US only)*: **BOOTH, Richard, John** [GB/US]; 1433 Natalie Lane, #104, Ann Arbor, MI 48105 (US). **DOBRUSIN, Ellen, Myra** [US/US]; 2205 Winchell, Ann Arbor, MI 48104 (US). **JOSYULA, Vara, Prasad, Venkata, Nagendra** [US/US]; 3129 Fawnmeadow Court, Ann Arbor, MI 48105 (US). **McNAMARA, Dennis, Joseph** [US/US]; 304 Linda Vista, Ann Arbor, MI 48103 (US). **TOOGOOD, Peter, Laurence** [GB/US]; 2281 Sun Valley Drive, Ann Arbor, MI 48108 (US).

(74) Agents: **LUMB, J., Trevor** et al.; c/o Simpson, Alison, Urquhart-Dykes & Lord, 30 Welbeck Street, London W1G 8ER (GB).

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(54) Title: PYRIDO[2,3-d]PYRIMIDINE-2,7-DIAMINE KINASE INHIBITORS

(57) Abstract: Disclosed are compounds of the formula (I) wherein: R^2, R^7, R^{13}, R^{14} and R_{15} are independently hydrogen, or (un)substituted lower alkyl, (un)substitued lower alkenyl, (un)substituted lower alkynyl, or (un)substituted $-(CH_2)_nR^{12}$; R^5 is halogen, cyano, nitro, $-R^9$, $-NR^9R^{10}$, or $-OR^9$; R^6 is halogen, cyano, nitro, $-R^9$, $-NR^9R^{10}$, $-OR^9$, $-Co_2R^9$, $-COR^9$, $-CONR^9R^{10}$, $-NR^9COR^{10}$, (un)substituted lower alkenyl, or (un)substituted lower alkynyl; R^8 is $-CO_2R^{13}$, $-COR^{13}$, $-CONR^{13}R^{14}$, $-CSNR^{13}R^{14}$, $-C(NR^{13})NR^{14}R^{15}$, $-SO_3R^{13}$, $-SO_2R^{13}$, $-SO_2NR^{13}R^{14}$, $-PO_3R^{13}R^{14}$, $-POR^{13}R^{14}$, $-PO(NR^{13}R^{14})_2$; R^9 and R^{10} are independently hydrogen or (un)substituted lower alkyl; R^{11} is a heteroaryl or a heterocyclic group; R^{12} is a cycloalkyl, a heterocyclic, an aryl, or a heteroaryl group; and n is 0,1,2, or 3. These compounds and their pharmaceutical compositions are useful for treating cell proliferative disorders, such as cancer and restenosis. These compounds are potent inhibitors of cdks and growth factor-mediated kinases.