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(71) Applicant (for all designated States except US): **GILEAD SCIENCES, INC.** [US/US]; 333 Lakeside Drive, Foster City, CA 94404 (US).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BECKER, Mark, W.** [US/US]; 215 Old County Road #308, Belmont, CA 94002 (US). **CHAPMAN, Harlan, H.** [US/US]; 60 Laguna Drive, La Honda, CA 94020 (US). **CIHLAR, Tomas** [CZ/US]; 727 Caravel Lane, Foster City, CA 94404 (US). **EISENBERG, Eugene, J.** [US/US]; 236 Club Drive, San Carlos, CA 94070 (US). **HE, Gong-Xin** [CN/US]; 5436 Ontario Common, Fremont, CA 94555 (US). **KERNAN, Michael, R.** [US/US]; 6 Sequoia Way, Pacifica, CA 94044 (US). **LEE, William, A.** [US/US]; 749 Anderson Drive,

Los Altos, CA 94024 (US). **PRISBE, Ernest, J.** [US/US]; 1336 Richardson Avenue, Los Altos, CA 94024 (US). **ROHLOFF, John, C.** [US/US]; 1654 Cornell Drive, Mountain View, CA 94040 (US). **SPARACINO, Mark, L.** [US/US]; 1450 Seville Drive, Morgan Hill, CA 95037 (US).

(74) Agents: **HENSLEY, Max, D.** et al.; Gilead Sciences, Inc., 333 Lakeside Drive, Foster City, CA 94404 (US).

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(54) Title: PRODRUGS OF PHOSPHONATE NUCLEOTIDE ANALOGUES AND METHODS FOR SELECTING AND MAKING SAME

(57) Abstract: A novel method is provided for screening prodrugs of methoxyphosphonate nucleotide analogues to identify prodrugs selectively targeting desired tissues with antiviral or antitumor activity. This method has led to the identification of novel mixed ester-amidates of PMPA for retroviral or hepadnaviral therapy, including compounds of structure (5a) having substituent groups as defined herein. Compositions of these novel compounds in pharmaceutically acceptable excipients and their use in therapy and prophylaxis are provided. Also provided is an improved method for the use of magnesium alkoxide for the preparation of starting materials and compounds for use herein.



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