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(71) Applicants: **KAYOTHERA INC.** [US/US]; 2815 Eastlake Ave E., Suite 300, Seattle, WA 98102 (US). **THE TRUSTEES OF PRINCETON UNIVERSITY** [US/US]; 87 Prospect Avenue, 3rd floor, Office of Technology Licensing, Princeton, New Jersey 08544 (US).

(72) Inventors; and

(71) Applicants: **ESPOSITO, Mark** [US/US]; c/o KayoThera Inc., 2815 Eastlake Ave E., Suite 300, Seattle, WA 98102 (US). **PROUDFOOT, John** [IE/US]; c/o KayoThera Inc., 2815 Eastlake Ave E., Suite 300, Seattle, WA 98102 (US). **KANG, Yibin** [US/US]; c/o KayoThera Inc., 2815 Eastlake

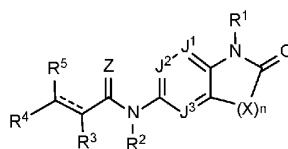
Ave E., Suite 300, Seattle, WA 98102 (US). **PIWINSKI, John** [US/US]; c/o KayoThera Inc., 2815 Eastlake Ave E., Suite 300, Seattle, WA 98102 (US).

(74) Agent: **MCCABE, Stephanie Robyn** et al.; COOLEY LLP, 1299 Pennsylvania Avenue NW, Suite 700, Washington, District of Columbia 20004 (US).

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(54) Title: HETEROCYCLIC COMPOUNDS AND USES THEREOF



Formula I

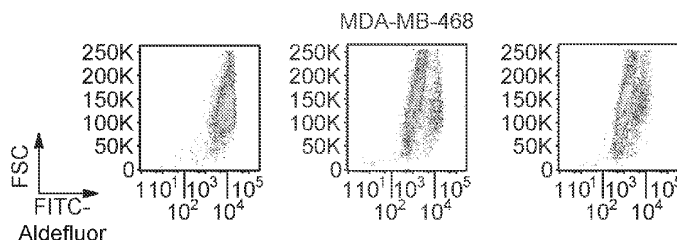


FIG. 1A

(57) Abstract: Provided herein are novel heterocyclic compounds, for example, compounds having Formula I, I-P, II, II-P, III, or IV. Also provided herein are pharmaceutical compositions comprising the compounds and methods of using the same, for example, in inhibiting aldehyde dehydrogenases, retinoid pathway activation, and/or for treating various cancers, cancer metastasis, type 2 diabetes, pulmonary arterial hypertension (PAH) or neointimal hyperplasia (NIH) or as a male contraceptive.

[Continued on next page]

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MC, MK, MT, NL, NO, PL, PT, RO, RS, SE, SI, SK, SM,
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