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(21) International Application Number: PCT/US98/18339 (22) International Filing Date: 4 September 1998 (04.09.98) (30) Priority Data: 60/058,217 9 September 1997 (09.09.97) US (71) Applicant: THE PROCTER & GAMBLE COMPANY [US/US]; One Procter & Gamble Plaza, Cincinnati, OH 45202 (US). (72) Inventors: WOS, John, August; 8505 Harperpoint Drive, Cincinnati, OH 45249 (US). DeLONG, Mitchell, Anthony; 8084 Tyler's Circle, West Chester, OH 45069 (US). AM-BURGEY, Jack, S., Jr.; 265 Stockton Drive, Loveland, OH 45140 (US). DE, Biswanath; 11269 Cornell Woods Drive, Cincinnati, OH 45241 (US). DAL, Haiyan, George; 47-2 Revere Road, Drexel Hill, PA 19026 (US). WANG, Yili; 4435 Place Pointe Drive, Mason, OH 45040 (US). (74) Agents: REED, T., David et al.; The Procter & Gamble Company, 5299 Spring Grove Avenue, Cincinnati, OH 45217-1087 (US).		(81) Designated States: AL, AM, AT, AT (Utility model), AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CU, CZ, CZ (Utility model), DE, DE (Utility model), DK, DK (Utility model), EE, EE (Utility model), ES, FI, FI (Utility model), GB, 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, SK (Utility model), SL, TJ, TM, TR, TT, UA, UG, 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). Published <i>With international search report.</i>
(54) Title: AROMATIC C₁₆-C₂₀-SUBSTITUTED TETRAHYDRO PROSTAGLANDINS USEFUL AS FP AGONISTS		
(57) Abstract The invention provides novel PGF analogs. In particular, the present invention relates to compounds having a structure according to formula (A), wherein R₁, R₂, R₃, R₄, X, Y and Z are defined below. This invention also includes optical isomers, diastereomers and enantiomers of said formula, and pharmaceutically-acceptable salts, biohydrolyzable amides, esters, and imides thereof. The compounds of the present invention are useful for the treatment of a variety of diseases and conditions, such as bone disorders and glaucoma. Accordingly, the invention further provides pharmaceutical compositions comprising these compounds. The invention still further provides methods of treatment for bone disorders and glaucoma using these compounds or the compositions containing them. (A)		