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(21) International Application Number: PCT/EP98/00306 (22) International Filing Date: 21 January 1998 (21.01.98) (30) Priority Data: 60/036,466 28 January 1997 (28.01.97) US (71) Applicant: F. HOFFMANN-LA ROCHE AG (CH/CH); Gren- zacherstrasse 124, CH-4070 Basle (CH). (72) Inventors: ROTSTEIN, David, Mark; 939 Lorne Way, Sun- nyvale, CA 94087 (US). SJOGREN, Eric, Brian; 442 Dell Avenue, Mountain View, CA 94043 (US). (74) Agent: LOESCHNER, Thomas; Grenzacherstrasse 124, CH-4070 Basle (CH).		(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, GH, 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, 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, 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 With international search report. Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.
(54) Title: 5-AROYLNAPHTHALENE DERIVATIVES (57) Abstract The present invention relates to certain 5-aryl-naphthalene derivatives of formula (I), wherein A is a bond, -CH₂-, -CH(OH)-, -C=NOR⁴-, -C(O)-, -NR⁵-, -O-, or -S(O)_n- where n is an integer from 0 to 2, R⁴ is hydrogen or alkyl, and R⁵ is hydrogen, alkyl, or acyl; Z is a group represented by formula (B), (C), (D), or (E), where n¹ is 0 to 3; X is O or S; R⁶ and R⁷ are independently selected from hydrogen, alkyl, halogenalkyl, cycloalkyl, cycloalkylalkyl, acyl, alkylthio, cycloalkylthio, cycloalkylalkylthio, alkoxy, cycloalkyloxy, cycloalkylalkyloxy, halogenalkyloxy, alkenyl, halogen, cyano, nitro, hydroxy, or -NR⁹R¹⁰ where R⁹ and R¹⁰ are independently hydrogen, alkyl, or acyl; or R⁶ and R⁷ when they are adjacent to each other form methylenedioxy or ethylenedioxy; R⁸ is hydrogen, alkyl, halogenalkyl, alkoxy, cycloalkyloxy, halogenalkyloxy, alkylthio, cycloalkylthio, nitro, cyano, hydroxy, or halogen; R¹ is hydrogen, alkyl, alkenyl, alkynyl, halogenalkyl, cycloalkyl, cycloalkylalkyl, alkoxy, alkenyloxy, cycloalkyloxy, cycloalkylalkyloxy, halogenalkyloxy, hydroxyalkyloxy, alkoxyalkyloxy, alkylthio, cycloalkylthio, cycloalkylalkylthio, hydroxy, halogen, cyano, carboxy, alkoxycarbonyl, acyl, -C=NOR⁴-, -NR⁹R¹⁰-, -CONR⁹R¹⁰-, -OCONR⁹R¹⁰-, or -OSO₂R¹¹ where R⁴, R⁹, and R¹⁰ are as previously defined and R¹¹ is alkyl, cycloalkyl, or halogenalkyl; R² is hydrogen, alkyl, alkoxy, halogen, nitro, or -NR⁹R¹⁰; and R³ is -SO₂R¹² or -SO₂NR¹³R¹⁴ where R¹² is alkyl, hydroxyalkyl, alkoxyalkyl, carboxyalkyl, or alkoxycarbonylalkyl; R¹³ is hydrogen, alkyl, or acyl; and R¹⁴ is hydrogen, alkyl, halogenalkyl, cycloalkyl, cycloalkylalkyl, alkenyl, hydroxyalkyl, alkoxyalkyl, alkoxycarbonylalkyl, amino, aminoalkyl, aryl, aralkyl, heteroaralkyl, heterocyclo, heterocycloalkyl, acyl, hydroxy, or alkoxy; or R¹³ and R¹⁴ together with the nitrogen atom to which they are attached optionally form a heterocycloamino group; that are inhibitors of prostaglandin G/H synthase, pharmaceutical compositions containing them, methods for their use, and methods for preparing these compounds. (B) (C) (D) (E)		