

(19) World Intellectual Property Organization
International Bureau



G00002

(43) International Publication Date
22 August 2002 (22.08.2002)

PCT

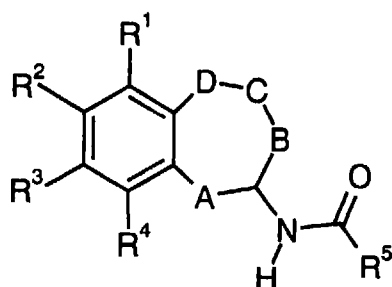
(10) International Publication Number
WO 02/064546 A3

- (51) International Patent Classification⁷: **C07C 233/65**, 233/74, 235/54, A61K 31/166, A61P 9/00
- (21) International Application Number: PCT/EP02/01449
- (22) International Filing Date: 12 February 2002 (12.02.2002)
- (25) Filing Language: English
- (26) Publication Language: English
- (30) Priority Data:
01102853.7 13 February 2001 (13.02.2001) EP
- (71) Applicant: **AVENTIS PHARMA DEUTSCHLAND GMBH** [DE/DE]; Brüningstrasse 50, 65926 Frankfurt am Main (DE).
- (72) Inventors: **STROBEL, Hartmut**; Erlenweg 22, 65835 Liederbach (DE). **WOHLFART, Paulus**; Bertolt-Brecht-Ring 16c, 64625 Bensheim (DE).
- (74) Agent: **ISENBRUCK, Günter**; Patent- und Rechtsanwälte, Bardehle Pagenberg Dost Altenburg GeisslerIsenbruck, Theodor-Heuss-Anlage 12, 68165 Mannheim (DE).
- (81) Designated States (*national*): AE, AG, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, BZ, CA, CH, CN, CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, ES, FI, GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE, KG, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV, MA, MD, MG, MK, MN, MW, MX, MZ, NO, NZ, OM, PH, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TN, TR, TT, TZ, UA, UG, UZ, VN, YU, ZA, ZM, ZW.
- (84) Designated States (*regional*): ARIPO patent (GH, GM, KE, LS, MW, MZ, SD, SI, SZ, TZ, UG, ZM, 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, TR), OAPI patent (BF, BJ, CF, CG, CI, CM, GA, GN, GQ, GW, ML, MR, NE, SN, TD, TG).
- Published:**
— with international search report
- (88) Date of publication of the international search report:
7 November 2002
- For two-letter codes and other abbreviations, refer to the "Guidance Notes on Codes and Abbreviations" appearing at the beginning of each regular issue of the PCT Gazette.



162162

(54) Title: ACYLATED 6,7,8,9-TETRAHYDRO-5H-BENZOCYCLOHEPTENYL AMINES AND THEIR USE AS PHARMACEUTICAL



(I)

(57) Abstract: The present invention relates to compounds according to the general formula (I) wherein R¹-R⁴ have the meanings given in the description, A is CH₂, CHOH or CH(C₁-C₃-alkyl) B, C and D are independently CH₂ or CH-(C₁-C₃-alkyl), and R⁵ is an aryl or heteroaryl group, possibly substituted by the substituents listed in the description. These compounds are useful for the manufacture of medicaments for the treatment of cardiovascular diseases, stable or unstable angina pectoris, coronary heart disease, Prinzmetal angina, acute coronary syndrome, heart failure, myocardial infarction, stroke, thrombosis, peripheral artery occlusive disease, endothelial dysfunction, atherosclerosis, resteno-

sis, endothel damage after PTCA, hypertension, essential hypertension, pulmonary hypertension, secondary hypertension, renovascular hypertension, chronic glomerulonephritis, erectile dysfunction, ventricular arrhythmia, diabetes, diabetes complications, nephropathy, retinopathy, angiogenesis, asthma bronchiale, chronic renal failure, cirrhosis of the liver, osteoporosis, or restricted memory performance or for a restricted ability to learn, or the lowering of cardiovascular risk of postmenopausal women or after intake of contraceptives.

WO 02/064546 A3