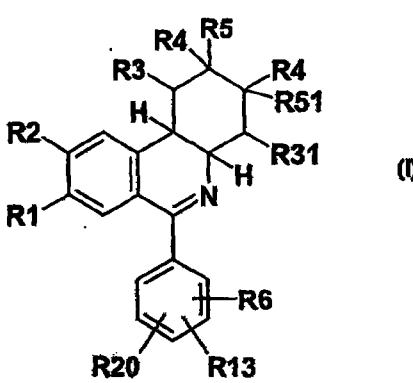




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(21) International Application Number: PCT/EP00/00172 (22) International Filing Date: 12 January 2000 (12.01.00) (30) Priority Data: 99100694.1 15 January 1999 (15.01.99) EP (71) Applicant (for all designated States except US): BYK GULDEN LOMBERG CHEMISCHE FABRIK GMBH [DE/DE]; Byk-Gulden-Str. 2, D-78467 Konstanz (DE). (72) Inventors (for all designated States except CA US): FLOCKERZI, Dieter; Ackerweg 26, D-78476 Allensbach (DE). AMSCHLER, Hermann (deceased). (72) Inventors (for all designated States except CA US): GRUNDLER, Gerhard; Meersburger Str. 4, D-78464 Konstanz (DE). HATZELMANN, Armin; Alter Wall 3, D-78467 Konstanz (DE). BUNDSCHUH, Daniela; Rheingutstraße 17, D-78462 Konstanz (DE). BEUME, Rolf; Bohlstraße 13, D-78465 Konstanz (DE). BOSS, Hildegard; Flurweg 3a, D-78464 Konstanz (DE). KLEY, Hans-Peter; Im Weinberg 3b, D-78476 Allensbach (DE).		(72) Inventor; and (75) Inventor/Applicant (for US only): GUTTERER, Beate [DE/DE]; Allensbacher Straße 6b, D-78476 Allensbach (DE). (74) Common Representative: BYK GULDEN LOMBERG CHEMISCHE FABRIK GMBH; Byk-Gulden-Str. 2, D-78467 Konstanz (DE). (81) Designated States: AE, AL, AU, BA, BG, BR, CA, CN, CZ, EE, GE, HR, HU, ID, IL, IN, JP, KR, LT, LV, MK, MX, NO, NZ, PL, RO, SG, SI, SK, TR, UA, US, VN, YU, ZA, 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). Published <i>With international search report.</i> <i>Before the expiration of the time limit for amending the claims and to be republished in the event of the receipt of amendments.</i>	
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(57) Abstract			
Compounds of formula (I), in which R1, R2, R3, R31, R4, R5, R51, R6, R13 and R20 has the meanings indicated in the description, are novel active bronchial therapeutics.			