

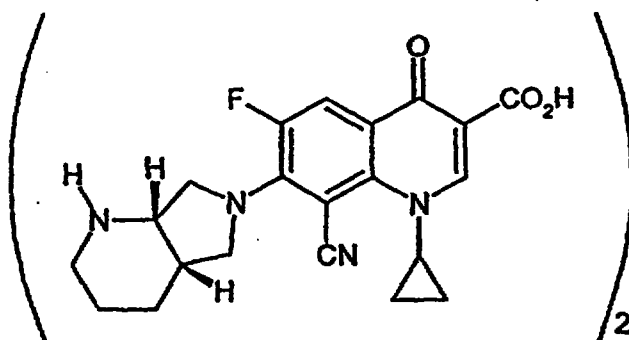
INTERNATIONAL APPLICATION PUBLISHED UNDER THE PATENT COOPERATION TREATY (PCT)

(51) International patent classification⁷: C07D 471/04, A61K 31/4709, A61P 31/04 // (C07D 471/04, 221:00, 209:00)	A1	(11) International publication number: WO 00/31077 (43) International publication date: 2 June 2000 (02.06.00)
(21) International application number: PCT/EP99/08778 (22) International filing date: 15 November 1999 (15.11.99) (30) Data relating to the priority: 198 54 357.3 25 November 1998 (25.11.98) DE (71) Applicant (for all designated States except US): BAYER AKTIENGESELLSCHAFT [DE/DE]; D-51368 Leverkusen (DE). (72) Inventors; and (75) Inventors/Applicants (US only): HIMMLER, Thomas [DE/DE]; Schöne Aussicht 1 b, D-51519 Odenthal (DE). RAST, Hubert [DE/DE]; Auf dem Bruch 77 a, D-51381 Leverkusen (DE). (74) Representative: Insert representative(s)/ attorney(s) here	(81) Designated states: AE, AL, AM, AT, AU, AZ, BA, BB, BG, BR, BY, CA, CH, CN, CR, CU, CZ, DE, DK, DM, 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, NO, NZ, PL, PT, RO, RU, SD, SE, SG, SI, SK, SL, TJ, TM, TR, TT, TZ, UA, UG, US, UZ, VN, YU, ZA, ZW, ARIPO Patent (GH, GM, KE, LS, MW, SD, SL, SZ, TZ, 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 With the International Search Report.	

As printed

(54) Title: SEMI-HYDROCHLORIDE OF 8-CYAN-1- CYCLOPROPYL -7-(1S,6S-2,8-DIAZABICYCLO [4.3.0]NONAN -8-YL)-6-FLUORO-1, 4-DIHYDRO-4- OXO-3- QUINOLINE CARBOXYLIC ACID

(54) Bezeichnung: SEMI-HYDROCHLORID VON 8-CYAN-1- CYCLOPROPYL -7-(1S,6S-2, 8-DIAZABICYCLO [4.3.0]NONAN -8-YL)-6- FLUOR-1, 4-DIHYDRO-4- OXO-3- CHINOLINCARBONSÄURE



(VI)

x HCl

(57) Abstract

The invention relates to a semi-hydrochloride of 8-cyan-1- cyclopropyl -7-(1S, 6S-2,8- iazabicyclo [4.3.0]nonan -8-yl)-6- fluoro-1,4 -dihydro- 4-oxo-3-quinoline carboxylic acid, to a method for producing this, and to an antibacterial agent containing the same. The 8-cyan-1- cyclopropyl -7-(1S,6S-2, 8-diazabicyclo [4.3.0]nonan -8-yl)-6- fluoro-1, 4-dihydro-4- oxo-3-quinoline carboxylic acid can be described by formula (VI).

(57) Zusammenfassung

Die vorliegende Erfindung betrifft ein Semi-Hydrochlorid von 8-Cyan-1- cyclopropyl -7-(1S,6S-2, 8-diazabicyclo [4.3.0]nonan -8-yl)-6- fluor-1, 4-dihydro-4- oxo-3-chinolincarbonsäure, Verfahren zu seiner Herstellung sowie dieses enthaltende antibakterielle Mittel. Das Semi- Hydrochlorid von 8-Cyan-1- cyclopropyl- 7-(1S,6S-2, 8-diazabicyclo [4.3.0]nonan-8-yl) -6-fluor-1, 4-dihydro-4- oxo-3-chinolincarbonsäure kann durch Formel (VI) beschrieben werden.