

(19) World Intellectual Property Organization
International Bureau



(43) International Publication Date
29 June 2006 (29.06.2006)

PCT

(10) International Publication Number
WO 2006/066778 A3

(51) International Patent Classification:

C07D 277/46 (2006.01) C07D 417/06 (2006.01)
C07D 401/10 (2006.01) C07D 417/10 (2006.01)
C07D 409/06 (2006.01) C07D 417/14 (2006.01)
C07D 409/14 (2006.01)

(74) Agent: HEIROTH, Ulrike; Grenzacherstrasse 124,
CH-4070 Basel (CH).

(81) Designated States (unless otherwise indicated, for every
kind of national protection available): AE, AG, AL, AM,
AT, AU, AZ, BA, BB, BG, BR, BW, BY, BZ, CA, CH, CN,
CO, CR, CU, CZ, DE, DK, DM, DZ, EC, EE, EG, ES, FI,
GB, GD, GE, GH, GM, HR, HU, ID, IL, IN, IS, JP, KE,
KG, KM, KN, KP, KR, KZ, LC, LK, LR, LS, LT, LU, LV,
LY, MA, MD, MG, MK, MN, MW, MX, MZ, NA, NG, NI,
NO, NZ, OM, PG, PH, PL, PT, RO, RU, SC, SD, SE, SG,
SK, SL, SM, SY, TJ, TM, TN, TR, TT, TZ, UA, UG, US,
UZ, VC, VN, YU, ZA, ZM, ZW.

(21) International Application Number:

PCT/EP2005/013460

(22) International Filing Date:

14 December 2005 (14.12.2005)

(25) Filing Language:

English

(26) Publication Language:

English

(30) Priority Data:

04106943.6 23 December 2004 (23.12.2004) EP

(84) Designated States (unless otherwise indicated, for every
kind of regional protection available): ARIPO (BW, GH,
GM, KE, LS, MW, MZ, NA, SD, SL, SZ, TZ, UG, ZM,
ZW), Eurasian (AM, AZ, BY, KG, KZ, MD, RU, TJ, TM),
European (AT, BE, BG, CH, CY, CZ, DE, DK, EE, ES, FI,
FR, GB, GR, HU, IE, IS, IT, LT, LU, LV, MC, NL, PL, PT,
RO, SE, SI, SK, TR), OAPI (BF, BJ, CF, CG, CI, CM, GA,
GN, GQ, GW, ML, MR, NE, SN, TD, TG).

(71) Applicant (for all designated States except US): **F. HOFF-
MANN-LA ROCHE AG** [CH/CH]; Grenzacherstrasse
124, CH-4070 Basel (CH).

(72) Inventors; and

(75) Inventors/Applicants (for US only): **BOEHRINGER,**
Markus [CH/CH]; Dachsweg 4, CH-4313 Moehlin
(CH). **GROEBKE ZBINDEN, Katrin** [CH/CH];
Wettsteinallee 64, CH-4058 Basel (CH). **HAAP, Wolf-**
gang [DE/DE]; Fridolin-Engel-Strasse 51, 79540 Loerrach
(DE). **HILPERT, Hans** [CH/CH]; Gustav Bay-Strasse
34, CH-4142 Muenchenstein (CH). **PANDAY, Naren-**
dra [FR/CH]; Gueterstrasse 213, CH-4053 Basel (CH).
RICKLIN, Fabienne [FR/FR]; 6, impasse des Cerisiers,
F-68490 Hombourg (FR).

Published:

- with international search report
- before the expiration of the time limit for amending the
claims and to be republished in the event of receipt of
amendments

(88) Date of publication of the international search report:

10 August 2006

For two-letter codes and other abbreviations, refer to the "Guid-
ance Notes on Codes and Abbreviations" appearing at the begin-
ning of each regular issue of the PCT Gazette.

(54) Title: NOVEL HETEROARYLACETAMIDES

(57) Abstract: The invention is concerned with novel heteroarylacetamides of formula (I) $R^d-C(O)-N(R^c)-R^c-CH_2-C(O)-N(R^a)(R^b)$,
wherein R^a to R^c are as defined in the description and in the claims, as well as physiologically acceptable salts thereof. These
compounds inhibit the coagulation factor Xa and can be used as medicaments.



WO 2006/066778 A3