

11 Literaturverzeichnis

- [1] Battez G, Poulet L, *C. R. Soc. Biol.* **1913**, 74, 8-9.
- [2] Euler US von, *Naunyn-Schmiedebergs Arch. Pharmacol.* **1934**, 175, 78-84.
- [3] Euler US von, *Klin. Wschr.* **1935**, 14, 1182.
- [4] Goldblatt MW, *J. soc. Chem. Ind.* **1933**, 52, 1956.
- [5] Bergström S, Ryhage S, Samuelsson B, Sjövall J, *Acta chem. Scand.* **1962**, 16, 501-502.
- [6] Bergström S, Danielsson H, Samuelsson B, *Biochim. Biophys. Acta* **1964**, 90, 207-210.
- [7] Hamberg M, Samuelsson B, *Proc. Natl. Acad. Sci. USA* **1973**, 70 (3), 899-903.
- [8] Hamberg M, Samuelsson B, *Proc. Natl. Acad. Sci. USA* **1974**, 71(9), 3400-3404.
- [9] Borgeat P, Samuelsson B, *Proc. Natl. Acad. Sci.* **1979**, 76 (5), 2148-2152.
- [10] Dennis EA, *Trends Biochem. Sci.* **1997**, 22, 1-2.
- [11] Ishizaki J, Suzuki N, Higashino K, Yokota Y, Ono T, Kawamoto K, Fujii N, Arita H, Hanasaki K, *J. Biol. Chem.* **1999**, 274 (35), 24973-24979.
- [12] Suzuki N, Ishizaki J, Yokota Y, Higashino K, Ono T, Ikeda M, Fujii N, Kawamoto K, Hanasaki K, *J. Biol. Chem.* **2000**, 275 (8), 5785-5793.
- [13] Murakami M, Kudo I, *Adv. Immunol.* **2001**, 77, 163-194.
- [14] Dennis EA, *J. Biol. Chem.* **1994**, 269, 13057-13060.
- [15] Kudo I, Murakami M, Hara S, Inoue K, *Biochim. Biophys. Acta* **1993**, 1107, 217-231.
- [16] Murakami M, Nakatani Y, Atsumi G, Inoue K, Kudo I, *Crit. Rev. Immunol.* **1997**, 17, 225-283.
- [17] Horigome K, Hayakawa M, Inoue K, Nojima S, *J. Biochem. (Tokyo)* **1987**, 101, 625-631.
- [18] Kramer RM, Hession C, Johansen B, Hayes G, McGray P, Chow EP, Tizard R, Pepinski RB, *J. Biol. Chem.* **1989**, 264, 5768-5775.
- [19] Valentin E, Lambeau G, *Biochim. Biophys. Acta* **2000**, 1488, 59-70.
- [20] Creer MH, McHowat J, *Recent Res. Devel. Lipids* **2000**, 4, 13-24.

- [21] Hayakawa M, Ishida N, Takeuchi K, Shibamoto S, Hori T, Oku N, Ito F, Tsujimoto M, *J. Biol. Chem.* **1993**, *268*, 11290-11295.
- [22] Smith WL, Marnett LJ, DeWitt DL, *Pharmacol. Ther.* **1991**, *49*, 153-179.
- [23] Hanel AM, Schuttel S, Gelb MH, *Biochemistry* **1993**, *32* (23), 5949-5958.
- [24] Diez E, Louis-Flamberg P, Hall RH, Mayer RJ, *J. Biol. Chem.* **1992**, *267* (26), 18342-18348.
- [25] Diez E, Chilton FH, Stroup G, Mayer RJ, Winkler JD, Fonteh AN, *Biochem. J.* **1994**, *301* (3), 721-726.
- [26] Clark JD, Schievella AR, Nalefski EA, Lin LL, *J. Lipid Med. Cell Signal.* **1995**, *12*, 83-117.
- [27] Glover S, Bayburt T, Jonas M, Chi E, Gelb MH, *J. Biol. Chem.* **1995**, *270* (25), 15359-15367.
- [28] Schievella AR, Regier MK, Smith WL, Lin LL, *J. Biol. Chem.* **1995**, *270* (51), 30749-30754.
- [29] Henson PM, Cochrane CG, *J. Exp. Med.* **1971**, *133* (3), 554-571.
- [30] Lynch JM, Lotner GZ, Betz SJ, Henson PM, *J. Immunol.* **1979**, *123*, 1219-1226.
- [31] Sanchez-Crespo M, Alonso F, Egido J, *J. Immunol.* **1980**, *40*, 645-655.
- [32] Bazan NG, Zorunski CF, Clark GD, *J. Lipid Mediat.* **1993**, *6* (1-3), 412-417.
- [33] Bazan NG, Allan G, *J. Lipid Mediat. Cell Signal.* **1996**, *14* (1-3), 321-330.
- [34] Braquet P, Touqui L, Shen TY, Vargaftig BB, *Pharmacol. Rev.* **1987**, *39* (2), 97-145.
- [35] Singh M, Saraf MK, *Drugs Fut.* **2001**, *26* (9), 883-888.
- [36] Bazan NG, *Prog. Brain Res.* **1998**, *118*, 281-291.
- [37] Jerusalinsky DC, Fin C, Quillfeldt JA et al., *Behav. Neurol. Biol.* **1994**, *62*, 1-3.
- [38] Simmons DL, Xie W, Chipman JG, Evett GE: *Prostaglandins, Leukotriens, Lipoxins and PAF*, (Ed.: Bailey JM), Plenum Press, New York **1991**, 67-78.
- [39] Crofford LJ: *Inflammation: The Role of COX-2 of health and disease*. Paris **1999**.
- [40] Beiche F, Scheuerer S, Brune K, Geisslinger G, Goppelt-Struebe M, *FEBS Lett.* **1996**, *390*, 162-169.
- [41] Chakraborty I, Das SK, Wang J, Dey SK, *J. Mol. Endocrinol.* **1996**, *16*, 107-122.
- [42] Kömhoff M, Wang JL, Cheng HF, *Kidney Int.* **2000**, *57*, 414-422.
- [43] Holger U, Dannhardt G, *Pharm. Unserer Zeit* **2002**, *31* (2), 146-153.
- [44] Laufer S, *Inflammopharmacology* **2001**, *9* (1-2), 101-112.

- [45] *Dtsche. Apoth. Ztg.* **2002**, 142 (32), 35-36.
- [46] Shrinivas KK, *Drugs Fut.* **2001**, 26 (5), 485-489.
- [47] Yokoyama C, Shinjo F, Yoshimoto T, Yamamoto S, Oates JA, Brash AR, *J. Biol. Chem.* **1986**, 261, 16714-16721.
- [48] Maas RL, Brash AR, Oates JA, *Proc. Natl. Acad. Sci. USA* **1981**, 78, 5523-5527.
- [49] Bryant RW, Schewe T, Rapoport SM, Bailey JM, *J. Biol. Chem.* **1985**, 260, 3548-3555.
- [50] Ueda N, Yamamoto S, *J. Biol. Chem.* **1988**, 263, 1937-1941.
- [51] Glasgow WC, Harris TM, Brash AR, *J. Biol. Chem.* **1986**, 261, 200-204.
- [52] Salzmann U, Kühn H, Schewe T, Rapoport SM, *Biochim. Biophys. Acta* **1984**, 795, 535-542.
- [53] Summers JB, Mazdiyasi H, Holms JH, Ratajczyk JD, Dyer RD, Carter GW, *J. Med. Chem.* **1987**, 30, 574-580.
- [54] Boyington JC, Gaffney B, Amzel LM, *Science* **1993**, 260, 1482-1486.
- [55] Prigge ST, Boyington JC, Gaffney BJ, Amzel LM, *Proteins* **1996**, 24, 275-291.
- [56] Gillmor SA, Villaseñor A, Fletterick R, Sigal E, Browner MF, *Nature Struct. Biol.* **1997**, 4 (12), 1003-1009.
- [57] Chen X-S, Funk CD, *J. Biol. Chem.* **2001**, 276 (1), 811-818.
- [58] Hammarberg T, Provost P, Persson B, Rådmark O, *J. Biol. Chem.* **2000**, 275 (49), 38793-38793.
- [59] Hemak J, Gale D, Brock TG, *J. Mol. Model.* **2002**, 8 (4), 102-112.
- [60] Borgeat P, Hamberg M, Samuelsson B, *J. Biol. Chem.* **1976**, 251, 7816-7820.
- [61] Samuelsson B, Borgeat P, Hammarstrom S, Murphy RC, *Prostaglandins* **1979**, 17 (6), 785-787.
- [62] Musser JH, Kreft AF, *J. Med. Chem.* **1992**, 35, 2501-2524.
- [63] Rouzer CA, Samuelsson B, *Methods Enzymol.* **1990**, 187, 312-319.
- [64] Steinhilber D, *Pharm. Acta Helv.* **1994**, 69, 3-14.
- [65] Riendeau D, Denis D, Choo LY, Nathaniel DJ, *Biochem. J.* **1989**, 263 (2), 565-572.
- [66] Hatzelmann A, Ullrich V, *Eur. J. Biochem.* **1987**, 169 (1), 175-184.

- [67] Gillard DK, Ford-Hutchinson AW, Chan C, Charleson S, Denis D, Foster A, Fortin R, Leger S, McFarlane CS, Morton H, Piechuta H, Riendeau D, Rouzer CA, Rokach J, Young R, McIntyre DE, Peterson L, Bach T, Eiermann G, Hopple S, Humes J, Hupe L, Luell S, Metzger J, Meurer R, Miller DK, Opas E, Pacholok S, *J. Physiol. Pharmacol.* **1989**, *67*, 456-464.
- [68] Miller DK, Gillard JW, Vickers PJ, Sadowski S, Léveillé C, Mancini JA, Charleson P, Dixon RAF, Ford-Hutchinson AW, Fortin R, Gauthier JY, Rodkey J, Rosen R, Rouzer C, Sigal I, Strader C, Evans JF, *Nature* **1990**, *343*, 278-281.
- [69] Dixon RA, Diehl RE, Opas E, Rands E, Vickers PJ, Evans JF, Gillard JW, Miller DK, *Nature* **1990**, *343*, 282-286.
- [70] Claesson H-E, Jakobsson P-J, Steinhilber D, Odlander B, Samuelsson B, *J. Lipid Mediators* **1993**, *6*, 15-22.
- [71] Kargman S, Rousseau P, Reid GK, Rouzer CA, Mancini JA, Rands E, Dixon RAF, Diehl RE, Léveillé C, Nathaniel D, Vickers PJ, Evans JF, *J. Lipid Mediators* **1993**, *7*, 31-45.
- [72] Cortese JF, Spannhake EW, Eisinger W, Potter JJ, Yang VW, *Prostaglandins* **1995**, *49*, 155-166.
- [73] Rouzer AC, Kargman S, *J. Biol. Chem.* **1988**, *263*, 10980-10988.
- [74] Charleson S, Evans JF, Leger S, Perrier H, Prasit P, Wang Z, Vickers PJ, *Eur. J. Pharmacol.* **1994**, *267*, 275-280.
- [75] Woods W, Evans JF, Ethier D, Scott S, Vickers PJ, Hearn L, Heibin JA, Charleson S, Singer II, *J. Exp. Med.* **1993**, *178*, 1935-1946.
- [76] Fitzpatrick F, Liggert W, McGee J, Bunting S, Morton D, Samuelsson B, *J. Biol. Chem.* **1984**, *259*, 11403-11407.
- [77] Augstein J, Farmer JB, Lee TB, Sheard P, Tattersall ML, *Nature New. Biol.* **1973**, *245*, 215-217.
- [78] Lewis RA, Drazen JM, Austen KF, Toda M, Brion F, Marfat A, Corey EJ, *Proc. Natl. Acad. Sci. USA* **1981**, *78*, 4579-4583.
- [79] Drazen JM, Lewis RA, Austen KF, Toda M, Brion F, Marfat A, Corey EJ, *Proc. Natl. Acad. Sci. USA* **1981**, *78*, 3195-3198.
- [80] Salmon JA, Garland LG, *Prog. Drug. Res.* **1991**, *37*, 9-90.
- [81] Yokomizo T, Izumi T, Chang K, Takawa Y, Shimizu T, *Nature* **1997**, *387*, 620-624.

- [82] Goldman DW, Gifford LA, Marotti T, Koo CH, Goetzl EJ, *Federation Proc.* **1987**, *46*, 200-203.
- [83] Nicosia S: *Novel Inhibitors of Leukotriens*
(Eds.: Folco G, Samuelsson B, Murphy RC), Birkhäuser, Basel **1999**, 83-100.
- [84] Goulet JL, Snouwaert JN, Latour AM, Coffman TM, Koller BH, *Proc. Natl. Acad. Sci. USA* **1994**, *91*, 12852-2856.
- [85] Murphy RC, Hammarstrom S, Samuelsson, *Proc. Natl. Acad. Sci. USA* **1979**, *76* (9), 4275-4279.
- [86] Kaye MG, Smith LJ, *Clin. Res.* **1989**, *37*, 478A.
- [87] Arm JP, Spur BW, Lee TH, *Am. Rev. Respir. Dis.* **1991**, *144*, 1053-1057.
- [88] Yanni JM, Foxwell MH, Withman LL, Smith WL, Nolan JC, *Int. Arch. Allergy Appl. Immunol.* **1989**, *90*, 307-309.
- [89] Dahlen SE, Hedqvist P, Hammarstrom S, Samuelsson B, *Nature* **1980**, *288*, 484-486.
- [90] Borgeat P, Naccache PH, *Clin. Biochem.* **1990**, *23*, 459-468.
- [91] Bray MA, Cunningham FM, Ford-Hutchinson AW, Smith MJH, *Brit. J. Pharm.* **1981**, *72* (3), 483-486.
- [92] Palmblad J, Malmsten CL, Uden A-M, Rådmark O, Engstedt L, Samuelsson B, *Blood* **1981**, *58* (3), 658-661.
- [93] Feinmark SJ, Lindgren JA, Claesson HE, Malmsten C, Samuelsson B, *FEBS Lett.* **1981**, *136*, 141-144.
- [94] Serhan CN, Radin A, Smolen JE, Korchak H, Samuelsson B, Weissmann G, *Biochem. Biophys. Res. Commun.* **1982**, *107*, 1006-1012.
- [95] Fauler J, Tsikas D, Holch M, Seekamp A, Nerlich M, Sturm J, Frolich JC, *Clin. Res.* **1990**, *38*, 484A.
- [96] Picado C, Ramis I, Rosello PJ, Bulbena O, Plaza V, Montserrat JM, Gelpi E, *Am. Rev. Respir. Dis.* **1992**, *145*, 65-69.
- [97] Belch JJF, Prostaglandins, Leukotriens, Essential Fatty Acids **1989**, *36*, 219-234.
- [98] Holtzmann MJ, *Am Rev. Respir. Dis.* **1991**, *143*, 188-203.
- [99] Lefer AM, *Biochem. Pharmacol.* **1986**, *35*, 123-127.
- [100] Hand JM, Will JA, Buckner CK, *Eur. J. Pharmacol.* **1981**, *76*, 439-442.
- [101] Scheuch DW, Rudolph W, Schwab W, *Clin. Chem.* **1990**, *36*, 1164.

- [102] Simmet T, Luck W, Winking M, Delank WK, Peskar BA:
Leukotriens and Prostanoids in Health and Disease
(Eds.: Zor U, Naor Z, Danon A), Karger, Basel **1989**, 166-170.
- [103] Fine RL, Pallanach L, Jett M, *FASEB J.* **1989**, 3, A471.
- [104] Snyder DS,
Adv. Prostaglandins, Thromboxane, Leukotriene Res. **1990**, 21, 921-924.
- [105] van Hilten JA, Efraim SB, Zijlstra FJ, Bonta IL,
Prostaglandins, Leukotrienes, Essential Fatty Acids **1990**, 39, 283-290.
- [106] Moqbel R, Walsh GM, Nagakura T, MacDonald AJ, Wardlaw AJ, Iikura Y,
Kay AB, *Immunology* **1990**, 70, 251-257.
- [107] Takahashi K, Badr KF,
Adv. Prostaglandins, Thromboxane, Leukotriene Res. **1990**, 21, 683-688.
- [108] Ardaillou R, *Eur. J. Pharmacol.* **1990**, 183 (1), 142.
- [109] Nugteren DH, *Biochim. Biophys. Acta* **1975**, 380, 299-307.
- [110] Dailey LA, Imming P, *Curr. Med. Chem.* **1999**, 6 (5), 389-398.
- [111] Limor R, Weisinger G, Gilad S, Knoll E, Sharon O, Jaffe A, Kohen F, Berger E,
Lifschitz-Mercer B, Stern N, *Hypertension* **2001**, 38, 864-871.
- [112] Spector AA, Gordon JA, Moore SA, *Prog. Lipid Res.* **1988**, 27 (4), 271-323.
- [113] Natarajan R, Gu JL, Rossi J, Gonzales N, Lanting L, Xu I, Nadler J,
Proc. Natl. Acad. Sci. USA **1993**, 90 (11), 4947-4951.
- [114] Kim JA, Gu J, Natarajan R, Berliner JA, Nadler J, *Clin. Res.* **1983**, 41, 148A.
- [115] Hadjiagapiou C, Spector AA, *Prostaglandins* **1986**, 31 (6), 1135-1144.
- [116] Sekiya F, Takagi J, Usui T, Kawajiri K, Kobayashi Y, Sato F, Saito Y,
Biochem. Biophys. Res. Commun. **1991**, 179 (1), 345-351.
- [117] Johnson EN, Nanney LB, Virmani J, Lawson JA, Funk CD,
J. Invest. Dermatol. **1999**, 112, 861-865.
- [118] Hammarström S, Hamberg M, Samuelsson B, Duell EA, Stawiski M, Voorhees JJ,
Proc. Natl. Acad. Sci. USA **1975**, 72, 5130-5134.
- [119] Opas LW, Argenbright JL, Humes JL, *Br. J. Dermatol.* **1989**, 120, 49-58.
- [120] Woolard PM, *Biochem. Biophys. Res. Commun.* **1986**, 136, 169-176.
- [121] Boeglin WE, Kim RB, Brash AR,
Proc. Natl. Acad. Sci. USA **1998**, 95, 6744-6749.

- [122] Sun D, McDonnell M, Chen X-S, Lakkis MM, Li H, Isaacs SN, Elsea SH, Patel PI, Funk CD, *J. Biol. Chem.* **1998**, *273* (50), 33540-33547.
- [123] Schneider C, Keeney DS, Boeglin WE, Brash AR, *Arch. Biochem. Biophys.* **2001**, *386* (2), 268-274.
- [124] Honn KV, Tang DG, Gao X, Butovich IA, Liu B, Timar J, Haggmann W, *Cancer Metastasis Rev.* **1994**, *13*, 365-396.
- [125] Chen YQ, Duniec ZM, Liu B, Haggmann W, Gao X, Shimoji K, Marnett LJ, Johnson CR, Honn KV, *Cancer Res.* **1994**, *54*, 1574-1579.
- [126] Gao X, Grignon DJ, Chbihi T, Zacharek A, Chen YQ, Sakr W, Porter AT, Crissman JD, Pontes JE, Powell IJ, Honn KV, *Urology* **1995**, *46*, 227-237.
- [127] Tang DG, Honn KV, *Ann. NY Acad. Sci.* **1994**, *744*, 199-215.
- [128] Timar J, Raso E, Fazakas ZS, Silletti S, Raz A, Honn VK, *Anticancer Res.* **1996**, *16*, 3299-3306.
- [129] Liu B, Maher RJ, Hannun YA, Porter AT, Honn KV, *J. Natl. Cancer Inst.* **1994**, *86*, 1145-1151.
- [130] Liu B, Timar J, Howlett J, Diglio CA, Honn KV, *Cell Regul.* **1991**, *2*, 1045-1055.
- [131] Honn KV, Timar J, Rozhin J, Bazaz R, Sameni M, Ziegler G, Sloane BF, *Exp. Cell Res.* **1994**, *214*, 120-130.
- [132] Tang DG, Grossi IM, Chen YQ, Diglio CA, Honn KV, *Int. J. Cancer* **1993**, *54*, 102-111.
- [133] Chopra H, Timar J, Chen YQ, Rong X, Grossi IM, Fitzgerald LA, Taylor JD, Honn KV, *Int. J. Cancer* **1991**, *49*, 774-786.
- [134] Pescarmona GP, Bosia A, Hofmann J, Lösche W, Arese P, Till U, *Acta Biol. Med. Germ.* **1981**, *40*, K7-K14.
- [135] Bryant RW, Simon TC, Bailey JM, *J. Biol. Chem.* **1982**, *257* (24), 14937-14943.
- [136] Safayahi H, Ammon HPT, *Pharm. Ztg.* **1997**, *39*, 11-20.
- [137] Wurm G, Baumann J, *Arzneim.-Forsch./Drug Res.* **1981**, *31*, 1673-1677.
- [138] *Drugs Fut.* **1989**, *14*, 307-310.
- [139] Wurm G, *Arch. Pharm. (Weinheim)* **1991**, *324*, 491-495.
- [140] van Pelt JPA, de Jong EMGJ, Seijger MMB, van Hooijdonk CAEM, de Bakker ESM, van Vlijmen IMJJ, Parker GL, van Erp PEJ, van de Kerkhof PCM, *Br. J. Dermatol.* **1998**, *139*, 396-402.
- [141] Prigge ST, Gaffney BJ, Amzel LM, *Nature Struct. Biol.* **1998**, *5* (3), 178-179.

- [142] Cho H, Ueda M, Tamaoka M, Hamaguchi M, Aisaka K, Kiso Y, Inoua T, Ogino R, Tatsuoka T, Ishihara T, Noguchi T, Morita I, Murota S, *J. Med. Chem.* **1991**, *34* (4), 1503-1505.
- [143] Suzuki H, Ueda T, Juránek I, Yamamoto S, Katoh T, Node M, Suzuki T, *Biochem. Biophys. Res. Commun.* **2000**, *275*, 885-889.
- [144] Kitamura S, Iida T, Shirahata K, Kase H, *J. Antibiot.* **1986**, *39*, 589-593.
- [145] Mantri P, Witiak DT, *Curr. Med. Chem.* **1994**, *1*, 328-355.
- [146] Schwandt S, Dissertation Freie Universität Berlin **1999**.
- [147] Buisson J-P, Lamotte G, Demerseman P, Royer R, *Eur. J. Med. Chem. – Chim. Ther.* **1983**, *18* (2), 169-174.
- [148] Casiraghi G, Casnati G, Puglia G, Sartori G, Terenghi G, *J. Chem Soc., Perkin Trans. I* **1980**, *9*, 1862-1865.
- [149] Matsuo K, Okumura M, Tanaka K, *Chem. Pharm. Bull.* **1982**, *30* (11), 4170-4174.
- [150] Geissmann TA: *Organic Reactions*, John Wiley and Sons, New York **1944**, Vol.II, 104-107.
- [151] Pearl IA, *J. Am. Chem. Soc.* **1945**, *67*, 1628-1629.
- [152] Pearl IA, *J. Org. Chem.* **1947**, *12*, 79-89.
- [153] Pearl IA, *J. Am. Chem. Soc.* **1946**, *68*, 429-432.
- [154] Criegee R, *Justus Liebigs Ann. Chem.* **1948**, *560*, 127-135.
- [155] Kubo I, Kim M, Ganjian I, Kamikawa T, Yamagiwa Y, *Tetrahedron* **1987**, *43* (12), 2653-2660.
- [156] Suginome H, Yamada S, *J. Org. Chem.* **1985**, *50*, 2489-2494.
- [157] Ramanan PN, Rao MN, *Ind. J. Exp. Biol.* **1987**, *25*, 42-43.
- [158] Tawata S, Taira S, Kobamoto N, Zhu J, Ishihara M, Toyama S, *Biosci. Biotechnol. Biochem.* **1996**, *60*, 909-910.
- [159] Mirzoeva OK, Sud'ina GF, Pushkareva MA, Korshunova GA, Sumbatyan NV, Varfolomeev SD, *Rus. J. Bioorg. Chem.* **1995**, *21* (2), 124-131.
- [160] Wang S, Ren Z, Cao W, Tong W, *Synth. Commun.* **2001**, *31* (5), 673-677.
- [161] Wurm G, Schwandt S, *Pharmazie* **1999**, *54* (7), 487-490.
- [162] Yu D, Mattern DL, *Synth. Commun.* **1999**, *29* (5), 821-825.
- [163] Mizuno A, Takagi K, Goto M, Sasaki Y, *Wakayama Kogyo Koto Senmon Gakko Kenkyu Kiyō* **1994**, *29*, 67-71.
- [164] Alterman M, Hallberg AJ, *J. Org. Chem.* **2000**, *65* (23), 7984-7989.

- [165] Behforouz M, Haddad J, Cai W, Ku Z, *J. Org. Chem.* **1998**, *63* (2), 343-346.
- [166] Boger DL, Yasuda M, Mitscher LA, Drake SD, Kitos PA, Thomson SC, *J. Med. Chem.* **1987**, *30* (10), 1918-1928.
- [167] Amarasekara AS, *Synth. Commun.* **1999**, *29* (18), 3063-3066.
- [168] MacLeod JW, Thomson RH, *J. Org. Chem.* **1960**, *25*, 36-42.
- [169] Wurm G, Gurka H-J, *Pharmazie* **1997**, *52* (10), 739-744.
- [170] Bontemps N, Delfourne E, Bastide J, Francisco C, Bracher F, *Tetrahedron* **1997**, *53* (5), 1743-1750.
- [171] Cassis R, Tapia R, Valderrama JA, *Synth. Commun.* **1985**, *15* (2), 125-133.
- [172] Croisy-Delcey M, Huel C, Bisagni E, *J. Heterocyclic Chem.* **1993**, *30* (1), 55-60.
- [173] Arai T, Yazawa K, Mikami Y, Kubo A, Takahashi K, *J. Antibiot.* **1976**, *29* (4), 398-407.
- [174] Kubo A, Nakahara S, Iwata R, Takahashi K, Arai T, *Tetrahedron Lett.* **1980**, *21* (33), 3207-3208.
- [175] Wurm G, Geres U, *Arch. Pharm. (Weinheim)*, **1985**, *318*, 664-667.
- [176] Shaikh IA, Johnson F, Grollmann AP, *J. Med. Chem.* **1986**, *29*, 1329-1340.
- [177] Rao KV, Rock CP, *J. Heterocycl. Chem.* **1996**, *33*, 447-458.
- [178] Lin AJ, Lillis BJ, Sartorelli AC, *J. Med. Chem.* **1975**, *18*, 917-921.
- [179] Habermann J, *Ber.* **1878**, *11*, 1037-1039.
- [180] Nietzki, Reckberg, *Ber.* **1890**, *23*, 1215.-1216.
- [181] Billmann JH, Rendall JL, *J. Amer. Chem. Soc.* **1944**, *66*, 540-541.
- [182] Seemann F, Wiskott E, Nikolaus P, Troxler F, *Helv. Chim. Acta* **1971**, *54* (8), 2411-2419.
- [183] DeRosa M, Gambacorta A, Minale L, *J. Chem. Soc., Chem. Commun.* **1975**, 392.
- [184] Krapcho AP, Petry ME, Hacker MP, *J. Med. Chem.* **1990**, *33*, 2651-2655.
- [185] Kita Y, Kirihara M, Sekihachi JI, Okunaka R, Sasho M, Mohri SI, Honda T, Akai S, Tamura Y, Shimooka KOT, *Chem. Pharm. Bull.* **1990**, *38*, 1836-1843.
- [186] Valderrama J, Fournet A, Valderrama C, Bastias S, Astudillo C, Rojas de Arias A, Inchausti A, Yaluff G, *Chem. Pharm. Bull.* **1999**, *47* (9), 1221-1226.
- [187] Huntress EH, Carten FH, *J. Am. Chem. Soc.* **1940**, *62*, 603-604.
- [188] Wurm G, *Sci. Pharm.* **1996**, *64*, 745-754.
- [189] Ukhin LY, Belousova LV, Orlova ZI, Borbulevych OY, Shishkin OV, *Russ. Chem. Bull.* **2000**, *49* (4), 732-735.

- [190] Vicker N, Burgess L, Chuckowree IS, Dodd R, Folkes AJ, Hardick DJ, Hancox TC, Miller W, Milton J, Sohal S, Wang S, Wren SP, Charlton PA, Dangerfield W, Liddle C, Mistry P, Steward AJ, Denny WA, *J. Med. Chem.* **2002**, *45* (3), 721-739.
- [191] Probst R, Dissertation Freie Universität Berlin **1999**.
- [192] Oliveira RA de, Carazza F, Silva Pereira MO da, *Synth. Commun.* **2000**, *30* (24), 4563-4572.
- [193] Lehr M, Dissertation Universität Regensburg **1989**.
- [194] Vanderhoek JY, Bailey JM, *J. Biol. Chem.* **1984**, *259* (11), 6752-6756.
- [195] Alanko J, Moilanen E, Opas J, Vapaatalo H, *Agent Actions* **1989**, *26* (1-2), 254-255.
- [196] Graff G, Anderson LA, *Prostaglandins* **1989**, *38*, 473-481.
- [197] Verhagen J, Wassink GA, Kijne GM, Vietor RJ, Bruynzeel PLB, *J. Chromatogr.* **1986**, *378*, 208-214.
- [198] Brune K, Rainsford KD, Wagner K, Peskar B, *Naunyn-Schmiedeberg's Arch. Pharmacol.* **1981**, *315*, 269-276.
- [199] Levine L, *Biochem. Pharmacol.* **1983**, *32*, 3023-3026.
- [200] Sweeney FJ, Pereira MJ, Eskra JD, Carty TJ, *Prostaglandins Leukotrienes Med.* **1987**, *26*, 171-177.
- [201] Lapetina EG, Cuatrecasas P, *Proc. Natl. Acad. Sci. USA* **1979**, *76*, 121-125.
- [202] Rücker, Neugebauer, Willems, *Instrumentelle pharmazeutische Analytik*, Wissenschaftliche Verlagsgesellschaft mbH Stuttgart **1992**, 2.Auflage.
- [203] Lehr M, Schulze Effringhoff A, *Arch. Pharm Med. Chem.* **2000**, *333*, 312-314.
- [204] Wurm G, Popov I, *Phys. Chem. Biol. & Med.* **1994**, *1*, 93-95.
- [205] Popov I, Lewin G, Matthes Z, *Klin. Med.* **1988**, *43*, 1663-1666.
- [206] Papariello GJ, Janish MAM, *Anal. Chem.* **1966**, *38*, 211-214.
- [207] Unger SH, Cook JR, Hollenberg JS, *J. Pharm Sci.* **1978**, *67*, 1364-1367.
- [208] Purcell WP, *Strategy of Drug Design: A Guide to Biological Activity*, J. Wiley and Sons, New York **1973**, 126-143.
- [209] Haggerty WJ, Murrill EA, *Res./Dev.* **1974**, *25*, 30.
- [210] McCall JM, *J. Med. Chem.* **1975**, *18* (6), 549-552.
- [211] Günther H, *NMR-Spektroskopie*, Georg Thieme Verlag, Stuttgart **1992**, 192-198.
- [212] Barret R, Daudon M, *Tetrahedron Lett.* **1990**, *31* (34), 4871-4872.
- [213] Adachi J, *Nippon Kagaku Zasshi* **1955**, *76*, 311-318.

- [214] Bouterin-Falson O, Desquand-Billiald S, Favrou A, Finet M, Tembo O, Torregosa J-L, Yannik-Arnoult S,
PCT Int. Patent. Appl. WO 97 21, 710, 1997, Registry Number: 192630-51-6.
- [215] Jacob P, Anderson G, Meshul CK, Shulgin AT, Castagnoli N,
J. Med. Chem **1977**, *20 (10)*, 1235-1239.
- [216] Burton H, Hoggarth E, *J. Chem. Soc.* **1945**, 14-18.
- [217] Cherif M, Cotelle P, Catteau J-P, *Heterocycles* **1992**, *34 (9)*, 1749-1758.
- [218] Shand AJ, Thomson RH, *Tetrahedron* **1963**, *19 (12)*, 1919-1937.
- [219] Kaieda O, Hirota K, *Eur. Pat. Appl.* **1986**
- [220] Choi HY, Lee BS, Chi DY, Kim DJ, *Heterocycles* **1998**, *48 (12)*, 2647-2652.
- [221] Weinberger L, Day AR, *J. Amer. Chem. Soc.* **1959**, *24*, 1451-1455.
- [222] Bøyum A, *Nature* **1964**, *204*, 793-794.
- [223] Bøyum A, *Scan. J. Clin. Invest.* **1968**, *21*, Suppl.97.
- [224] Ferrante A, Thong YH, *J. Immunolog. Methods* **1980**, *36 (2)*, 109-117.
- [225] Frei RW, Jansen H, van der Helde EG, Brinkmann UATh,
J. Chromatogr. **1986**, *378*, 215-221.
- [226] Walstra P, Verhagen J, Velding GA, Vliegenhart JFG,
Biochem. Biophys. Acta **1984**, *795*, 499-503.