

**LIST OF SCIENTIFIC PUBLICATIONS  
OF PHARMACEUTICAL RESEARCH INSTITUTE STAFF IN THE YEAR 2001**

**I. MONOGRAPHS AND REVIEWS**

1. W. Priebe, G. Gryniewicz, Formation of an anomeric carbon-carbon double bond in monosaccharides, rozdział w książce: Glycoscience: Chemistry and Chemical Biology, (Red. B.O. Fraser-Reid, K. Tatsuta, J. Thiem), t. 1, 749 – 783, Springer-Verlag, Berlin (2001)
2. M. Gadzikowska, G. Gryniewicz, Tropane alkaloids in pharmaceutical and phytochemical analysis, Acta Polon. Pharmaceut. – Drug Res., 58 (6), 481 (2001)

**II. ORIGINAL PAPERS**

1. Z. Chilmonczyk, H. Ksycinska, J. Krzywda, J. Iskra-Jopa, „Enantioselectivity of 3-amino-2-oxazolidinone derivatives with potential psychotropic activity on cellulose tris(4-methylbenzoate) chiral selector”, Chirality 13 (2001) 148-152.
2. Z. Chilmonczyk, H. Ksycinska, H. Y. Aboul-Enein, W-J. Lee, „Enantiomeric separation of some clinically used racemic drugs on Pirkle-1J chiral stationary phase”, J. Liq. Chromatogr. & Rel. Technol., 24 (16) (2001) 2505-2512.
3. T. J. Bartczak, R. Kruszynski, Z. Chilmonczyk, J. Cybulski, „4-[3-(4-Chlorobenzylideneamino)-2-oxooxazolidin-5-ylmethyl]morpholin-4-ium chloride monohydrate”, Acta Cryst. E57 (2001) 341-343.
4. R. Kruszynski, T. J. Bartczak, Z. Chilmonczyk, J. Cybulski, „4-{3-[(4-Fluorobenzylidene)amino]-2-oxo-1,3-oxazolidin-5-ylmethyl}morpholine”, Acta Cryst. E57 (2001) 386-388.
5. R. Kruszynski, T. J. Bartczak, Z. Chilmonczyk, J. Cybulski, „4-[3-(4-Fluorobenzylidene-amino)-2-oxo-1,3-oxazolidin-5-ylmethyl]morpholin-4-ium chloride monohydrate”, Acta Cryst. E57 (2001) 469-471.
6. K. J. Krajewski, A. Les, J. Cybulski, Z. Chilmonczyk, A. Bronowska, A. Szelejewska-Wozniakowska, „Novel Buspirone-Like 5-HT<sub>1A</sub> Receptor Ligands”, Pol. J. Chem., 75 (2001) 71-78.
7. A. Bronowska, A. Les, Z. Chilmonczyk, S. Filipek, O. Edvardsen, R. Ostensen, I. Sylte, „Molecular Dynamics of Buspirone Analogues Interacting with the 5-HT<sub>1A</sub> and 5-HT<sub>2A</sub> Serotonin Receptors”, Bioorganic and Medicinal Chemistry, 9 (2001) 881-895.
8. M. M. Glice, K. Bajdor, A. Les, T. Stepanenko, M. J. Nowak, H. Y. Aboul-Enein, Z. Chilmonczyk, „Vibrational spectroscopy of cyclohexylaminogluthethimide in low-temperature matrices, solutions and the solid state”, Journal of Molecular Structure, 560 (2001) 137-149.
9. A. Bronowska, A. Les, M. Mazgajska, Z. Chilmonczyk, „Conformational analysis and pharmacophore design for selected 1-(2-pyrimidinyl)piperazine derivatives with sedative-hypnotic activity”, Acta Poloniae Pharmaceutica - Drug Design, 58 (2001) 79-86.
10. V. I. Danilov, A. Les, J. L. Alderfer, „A theoretical study of the cis-syn cytosine-containing pyrimidine dimers in the gas phase and a water cluster and a tautomer-bypass mechanism for the origin of UV-induced mutations”, Polish Journal of Chemistry, 75 (2001) 1039-1049.
11. V. I. Danilov, A. Les, J. L. Alderfer, „A theoretical study of the cis-syn pyrimidine dimers in the gas phase and a water cluster and a tautomer-bypass mechanism for the origin of UV-induced mutations”, Journal of Biomolecular Structure and Dynamics, 19 (2001) 179-191.
12. M. Gadzikowska, G. Gryniewicz, „Commentary on the Chromatographic Retention of Chelidonium Alkaloids”, Acta Chromatographica, 11, 62 (2001)
13. G. Gryniewicz, „Natural versus Synthetic Genistein in a Drug Development Perspective”, Cell. Biol. Mol. Lett., 6, 492 (2001)

14. G. Pastuch-Gawolek, I. Wandzik, W. Szeja, G. Gryniewicz, J. Ramza, W. Pucko, W. Priebe, „New Synthesis and Application of Heteroaryl Glycosides”, *Heterocyclic Communications*, 7, 317 (2001)
15. J. Boryski, G. Gryniewicz, „Synthesis of Genistein 4'-O-Ribofouranosides”, *Synthesis*, 2001 2170 (2001)
16. G. Gryniewicz, E. Chojecka-Koryn, M. Gadzikowska, A. Chodkowska, E. Jagiello-Wojtowicz, „Synthesis and Biological Activity of O-Acyl and O-Alkyl Chelidonine Derivatives”, *Eur. J. Med. Chem.*, 36, 951 (2001)
17. A. Siwinska, A. Chrobak, A. Opolski, J. Wietrzyk, E. Wojdat, W. Szelejewski, A. Kutner, C. Radzikowski, „Potentiation of the Antiproliferative Effect in Vitro of Doxorubicin, Cisplatin and genistein by new analogs of vitamin D”, *Anticancer Res.*, 21, 3 (2001)
18. J. Martynow, G. D. Crouse, T. C. Thomas, J. Schoonver, J. Gifford, i wsp., „Recent Advances in the Chemistry of Spinosyns”, *Pest. Manage. Sci.* 57(2), 177-185, (2001)
19. A. Gorski, M. Kasprzycka, M. Nowaczyk, Z. Wieczorek, I. Z. Siemion, W. Szelejewski, A. Kutner, „Cyclolinopeptide: A Novel Immunosuppressive Agent with Potential Anti-lipemic Activity”, *Transplantation Proceedings*, 33, 553, (2001)
20. L. Kaczmarek, A. Grabowska, P. Borowicz, „Strongly modified [2,2'-bipyridyl]-3,3'-diol (BP(OH)<sub>2</sub>) a system undergoing excited state intramolecular proton transfer as a photostabilizer of polymers and as a solar energy collector.” *Journal of Photochem. Photobiol., A: Chemistry*, 138, 159-166(2001)
21. N. Sadlej-Sosnowska, L. Kaczmarek, K. Rotkiewicz, „Complex formation in the indolo[2,3-b]quinolines - methylene blue systems in aqueous solutions.” *Spectrochim. Acta A*, 57, 199-205 (2001)
22. L. Kania, K. Kamienska-Trela, L. Kaczmarek, J. Wojcik, „Concentration effects on the 5H- and 6H-indolo[2,3-b]quinolines.” *Mol. Phys. Reports*, (2001), 33, 18-21
23. R. Balicki, „A mild and convenient procedure for the oxidation of aromatic aldehydes to carboxylic acids using UHP/H<sub>2</sub>O<sub>2</sub> in formic acid.”, *Synthetic Commun.*, 31 (14), 107-110 (2001).
24. R. Balicki, G. Maciejewski, „A mild and selective deoxygenation of N-oxides with HCOONH<sub>4</sub> as a catalytic hydrogen transfer agent.” *Synthetic Commun.*, 31 (21), 318-320 (2001).
25. J. Iskra-Jopa, K. Golembiowska, M. Cybulski, A. Dziubina, Z. Chilmonczyk, „Effect of new putative 5-HT<sub>1A</sub> serotonin receptor agonists on serotonin and dopamine release in rat prefrontal cortex.” *Pol. J. Pharmacol.*, 53, 178 (2001)
26. M. Cybulski, W. Dankiewicz, Z. Chilmonczyk. „Synthesis of 1,4-disubstituted 2-methylpiperazine derivatives, new 5-HT<sub>1A</sub> receptor ligands.” *Acta Poloniae Pharm.-Drug Research*, 58, 357 (2001)
27. K. Kobylinska, B. Sobik, M. Kobylinska, W. Piotrowski: „Ocena biorownowaznoscii preparatu Atossa tabletki 8 mg w porownaniu z odpowiednikiem leku badanego”, *Nowotwory* 50, 665-668, 2000 (opublikowano w r. 2001)
28. M. Kobylinska, K. Kobylinska. „An introduction to bioavailability and bioequivalence, *Pharmaceutical Manufacturing and Packing Sourcer*, 8-11”, March 2001, Ballantyne Ross Ltd, International Media, London
29. K. Kobylinska, M. Kobylinska, B. Sobik: “Pharmacokinetics of (-)-(S)-bromofosfamide after intravenous and oral administration in mice”, *Arzneim.Forsch./Drug Research* 51 (II), 596-599 (2001)
30. K. Kobylinska, P. Koralewski, B. Sobik, M. Gasiorek, M. Kobylinska: “Pharmacokinetics and toxicity of oral (-)-(S)-bromofosfamide in lung cancer patients”, *Arzneim.-Forsch./Drug Research* 51(II), 600-603 (2001)
31. W. Maruszak, M. Trojanowicz, M. Margasinska, H. Engelhardt „Application of Carboxymethyl-β-cyclodextrin as a Chiral Selector in Capillary Electrophoresis for Enantiomeric Separation of Selected Neurotransmitters” *J. Chromatogr. A* 926 (2001) 12
32. W. Maruszak, „Cyklodekstryny jako modyfikatory rozdzielania amin i jonow nieorganicznych metoda elektroforezy kapilarnej” *Analityka*, 3 (2001) 12

### III. ACCEPTED PAPERS

1. L. Mazur, A. E. Koziol, J. Krzywda, M. Glice, J. Cybulski, „Structure of solvates of 5-(morpholinemethyl)-3-[(4-chlorobenzylidene)amino]-2-oxazolidinone”, J. Mol. Struct.
2. A. Bronowska, Z. Chilmonczyk, A. Les, O. Edvardsen, R. Ostensen, I. Sylte, „Molecular Dynamics of 5-HT1A and 5-HT2A Serotonin Receptors with Methylated Buspirone Analogues”, Journal of Computer-Aided Molecular Design
3. L. Kaczmarek, J. Osiadacz, W. Luniewski, B. Zagrodzki, J. Godlewska, W. Peczyńska-Czoch, C. Radzikowski, „Synthesis of 6-substituted 6H-indolo[2,3-b]quinolines as novel cytotoxic agents and topoisomerase II inhibitors.”Acta Polon. Pharm.
4. J. Frelek, W.J. Szczepek, S. Neubrech, B. Schultheis, J. Brechtel, H.G.Kuball, „Chiroptical properties of cisoid enones from CD and ACD spectroscopy”, Chem.Eur.J.
5. Z. Chilmonczyk, M. Cybulski, J. Iskra-Jopa, E. Chojnacka-Wojcik, E. Tatarczynska, A. Les, J. Sylte, „Interaction of 1,2,4-substituted piperazines, new serotonin receptor ligands with 5-HT1A and 5-HT2A receptors.” Il Farmaco
6. K. Kobylinska, „Badania rownowaznosci biologicznej preparatow odtworczych”, Przemysl Chemiczny
7. M. Biesaga, E. Stolarczyk, K. Pyrzynska, M. Trojanowicz, „Retention of anions on silica-based metalloporphyrin stationary phases”- zaakceptowane do druku w Analytical Sciences

### IV. OTHERS

1. G. Gryniewicz, O. Achmatowicz, W. Pucko, Bioaktywny izoflawon – genisteina – perspektywy zastosowan medycznych, Wiadomosci Zielarskie, 2001 (4), 17-19