Renata Ewa Perlikowska

Lista publikacji

- październik 2011

I. Prace oryginalne (rozdziały w książkach zbiorowych, artykuły w czasopismach):

1. Cravezic A., Fichna J., Gach K., Wyrębska A., **Perlikowska R.**, Costentin J., Bonnet J. J., Janecka A., do-Rego J. C., 2011, ***Effect of potent endomorphin degradation blockers on analgesic and antidepressant-like responses in mice**, Neuropharmacology* 61(6): 129-1238.

2. **Perlikowska R.**, Fichna J., do-Rego J. C., Gach K., Janecka A., 2011, ***Kinetic studies of novel inhibitors of endomorphin degrading enzymem**, Med Chem Res* DOI:10.1007/s00044-011-9666-5.

3. **Perlikowska R.,** do-Rego J. C., Cravezic A., Fichna J., Wyrębska A., Toth G., Janecka A., 2010, ***Synthesis and biological evaluation of cyclic endomorphin-2 analogs**, Peptides* 31(2): 339-345.

4. **Perlikowska R.**, Fichna J., Wyrębska A., Poels J., Vanden Broeck J., Toth G., Storr M., do-Rego J. C., Janecka A., 2010, ***Design, synthesis and pharmacological characterization of endomorphin analogs with non-cyclic amino acid residues in position 2**, Basic Clin Pharmacol Toxicol* 106(2): 106-113.

5. Fichna J., **Perlikowska R.**, Gach K., do-Rego J. C., Cravezic A., Janecka A., Storr M. A., 2010, ***The novel endomorphin degradation blockers Tyr-Pro-DClPhe-Phe-NH2 (EMDB-1) and Tyr-Pro-Ala-NH2 (EMDB-2) prolong endomorphin-2 action in rat ileum in vitro**, Chemical Biology and Drug Design* 76: 77-81.

6. Fichna J., Gach K., **Perlikowska R.**, Cravezic A., Bonnet J. J., do-Rego J. C., Janecka A., Storr M. A., 2010, ***Novel endomorphin analogs with antagonist activity at the mu opioid receptor in the gastrointestinal tract**, Regul Pept* 162(1-3): 109-114.

7. Janecka A., **Perlikowska R.**, Gach K., Fichna J., Mazur A., Kruszyński R., Janecki T., Jankowski S., 2009, ***Structural studies of position 2 modified endomorphin-2 analogs by NMR spectroscopy and molecular modeling**, Polish J Chem* 83: 1293-1307.

8. **Perlikowska R.**, Gach K., Fichna J., Toth G., Walkowiak B., do-Rego J. C., Janecka A., 2009, ***Biological activity of endomorphin and [Dmt^{1}]endomorphin analogs with six-membered proline surrogates in position 2**, Bioorg Med Chem* 17: 3789-3794.

9. Fichna J., Gach K., **Perlikowska R.**, Poels J., Vanden Broeck J., Szemraj J., Janecka A., 2008, ***Identification of endomorphin-1 and endomorphin-2 binding sites in human μ-opioid receptor by antisense oligonucleotide strategy**, Chem Biol Drug Des* 72: 507-512.

10. **Staniszewska R.**, Fichna J., Gach K., Toth G., Poels J., Vanden Broeck J., Janecka A., 2008, ***Synthesis and biological activity of endomorphin-2 analogs incorporating piperidine-2-, 3- or 4-carboxylic acids instead of proline in position**, Chem Biol Drug Des* 72: 91-94.

11. Fichna J., do-Rego J. C., Janecki T., **Staniszewska R.**, Poels J., Vanden Broeck J., Costentin J., Schiller P. W., Janecka A., 2008, ***Novel highly potent mu-opioid receptor antagonist based on endomorphin-2 structure**, Bioorg Med Chem Lett* 18: 1350-1353.

12. Fichna J., **Staniszewska R.**, Poels J., Vanden Broeck J., Janecka A., 2007, ***μ-Opioid receptor ligands lack receptor subtype selectivity in the aequorin luminescence-based calcium assay**, Chem Biol Drug Des* 70: 247-253.

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13. Fichna J., **Perlikowska R.**, Wyrębska A., Gach K., do-Rego J. C., Toth G., Kluczyk A., Janecka A., 2011, ***Effect of 2',6'-dimethyl-L-tyrosine (Dmt) on pharmacological activity of cyclic endomorphin-2 and morphiceptin analogs***, *Bioorg Med Chem*.

II. Prace przeglądowe (raporty, suplementy, recenzje naukowe, opracowania źródłowe):

1. **Perlikowska R.**, Fichna J., Janecka A., 2009, ***Endomorfiny-endogenne ligandy receptora opioidowego μ**, Postępy Biochemii* 55: 388-394.

2. Janecka A., **Perlikowska R.**, Gach K., Wyrębska A., Fichna J., 2009, ***Development of opioid peptide analogs for pain relief**, Curr Pharm Des* 16: 1126-1135.

3. Janecka A., **Staniszewska R.**, Gach K., Fichna J., 2008, ***Enzymatic degradation of endomorphins**, Peptides* 29: 2066-2073.

4. Janecka A., **Staniszewska R.**, Fichna J., 2007, ***Endomorphin analogs**, Curr Med Chem* 14: 3201-3208.

III. Prace pokonferencyjne i doniesienia zjazdowe:

1. Wyrębska A., **Perlikowska R.**, Fichna J., Gach K., Geza T., do Rego J. C., Janecka A., ***New conformationally restricted opioid analogs with strong antinoceptive activity***, 21st Polish Peptide Symposium, Supraśl, Poland, 4.-8.09.2011.

2. do Rego J. C., Cravezic A., Fichna J., Gach K., Wyrębska A., **Perlikowska R.**, Bonnet J. J., Constentin J., Janecka A., ***Effect of potent endomorphin degradation blockers on analgesic and antidepressant-like responses in mice***, 21st Polish Peptide Symposium, Supraśl, Poland, 4.-8.09.2011.

3. Fichna J., Gach K., **Perlikowska R.**, do Rego J. C., Storr M., Janecka A., ***Pharmacological activity of mu-opioid receptor ligands based on endomorphin-2 and morphiceptin structure in central and peripheral nervous system***, 21st Polish Peptide Symposium, Supraśl, Poland, 4.-8.09.2011.

4. **Perlikowska R.**, Fichna J., do Rego J .C., Janecka A., ***Design, synthesis and pharmacological characterization of endomorphin analogs with non-cyclic amino acid residues in position 2*** (nagroda „Best Poster-awarded by ePoster.net"), Peptides Europe, Berlin, German, 17.-18.09.2009.

5. **Perlikowska R.**, ***Synthesis and biological evaluation of endomorphin and [Dmt]^{1} endomorphin analogs with 6-membered proline surrogates in position 2***, 20th Polish Peptide Symposium, Władysławowo, Polska, 06.-10.09.2009.

6. Wyrębska A., **Perlikowska R.**, do-Rego J. C., Fichna J., Janecka A., ***Synthesis and biological evaluation of cyclic endomorphin-2 analogs***, 20th Polish Peptide Symposium, Władysławowo, Polska, 06.-10.09.2009.

7. Janecka A., **Staniszewska R.**, Fichna J., Gach K., Toth G., de Rego J. C., ***Synthesis and biological activity of endomorphin-2 analogs incorporating piperidine-2-, 3-or 4-carboxylic acids instead of proline in position 2***, 10th Annual Florida Heterocyclic and Synthetic Conference, Gainsville, Florida, USA, 08.-11.03.2009.

8. **Perlikowska R.**, ***Design, synthesis and biological evaluation of endomorphin analogs with increased enzymatic stability***, Symposium on receptor pharmacology and evolution, Leuven, Belgia, 04.02.2009.

9. Janecka A., **Staniszewska R.**, Fichna J., Gach K., Toth G., ***Synthesis of endomorphin-2 analogs incoroprating piperinine-2-,3-or 4-carboxylic acids instead of proline in position 2***, 51 Zjazd Polskiego Towarzystwa Chemicznego i Stowarzyszenia Inżynierów i Techników Przemysłu Chemicznego, Opole, Polska, 7.-11.09.2008.

10. Janecka A., Fichna J., Gach K., **Staniszewska R.**, ***Synteza nowych analogów endomorfiny-1 i endomorfiny-2 o właściwościach antagonistycznych***, VII Ogólnopolskim Sympozjum Chemii Organicznej, Łódź, Polska, 10.-12.04.2008.

11. Fichna J., Gach K., **Staniszewska R.**, Janecka A., ***Endomorphin-1 and endomorphine-2 bind to different splice variants of human μ-opioid receptor in CHO-MOR cells***, 19th Polish Peptide Symposium, Pułtusk, Polska, 23.-27.09.2007.

12. Fichna J., Janecka A., **Staniszewska R.**, Gach K., ***Unnatural amino acids with heterocyclic side-chains as novel susbstituents for opioid receptors***, 21th Interantional Congress for Heterocyclic Chemistry, The University of New South Wales, Sydney, Australia, 15.-20.07.2007.