

Επιστημονικές Δημοσιεύσεις σε Διεθνή Περιοδικά με Κριτές

1. **Synthesis and Study of Cyclic Angiotensin II Antagonist Analogue reveals the role of π^* - π^* interactions in the C-Terminal Aromatic Residue for agonist activity and its structure resemblance with AT₁ non-peptide antagonists.** Ludmila Polevaya, Thomas Mavromoustakos, Panagiotis Zoumboulakis, Maria Zervou, Simona Golic Grdadolnik, Panagiota Roumelioti, Nektarios Giatas, Ilze Mutule, Ilga Mutule, Tatjana Keivish, Alvine Kharitonova, Gundars Maurops, Demetrios Vlahakos, Efstathios Iliodromitis, Demetrios Kremastinos, Anastasios Troganis, John Matsoukas, *Bioorg. Med. Chem.*, 9 (2001) 1639-1647.
2. **Design, Synthesis and Biological Evaluation of Cyclic Angiotensin II Analogues with 3,5 Side Chain Bridges: Role of C-Terminal Aromatic Residue and Ring Cluster for Activity and Implications in the Drug Design of AT₁ Non-Peptide Antagonists.** Panagiota Roumelioti, Ludmila Polevaya, Panagiotis Zoumpoulakis, Nektarios Giatas, Ilze Mutule, Tatjana Keivish, Anastasia Zoga, Demetrios Vlahakos, Eustathios Iliodromitis, Demetrios Kremastinos, Simona Golic Grdadolnik, Thomas Mavromoustakos and John Matsoukas. *Bioorg. Med. Chem. Lett.*, 12, (2002) 2627.
3. **Structure Elucidation and Conformational Properties of Eprosartan, a non peptide Angiotensin II AT₁ antagonist.** Panagiotis Zoumpoulakis, Simona Golic Grdadolnik, John Matsoukas, Thomas Mavromoustakos., *J. Pharm. Biomed. Anal.*, 28 (2002) 125-135.
4. **Conformational and biological studies for a pair of novel synthetic AT₁ antagonists: stereoelectronic requirements for antihypertensive efficacy.** P. Zoumpoulakis, A.Zoga, P. Roumelioti, N. Giatas, S.G. Grdadonlik, E. Iliodromitis, D. Vlahakos, D. Kremastinos, J.M. Matsoukas, T. Mavromoustakos. *J. Pharm. Biomed. Anal.*, 31, (2003) 833-844.

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6. **Losartan's molecular basis of interaction with membranes and AT₁ receptor.** P. Zoumpoulakis, I. Daliani, M. Zervou, , I. Kyrikou, G. Lamprinidis, E. Mikros, T. Mavromoustakos. *Chemistry and Physics of Lipids.* 125, (2003), 13.
7. **Efforts to Understand the Molecular Basis of Hypertension Through Drug:Membrane Interactions.** T. Mavromoustakos, P. Zoumpoulakis, I. Kyrikou, A. Zoga, E. Siapi, M. Zervou, I. Daliani, D. Dimitriou, A. Pitsas, C. Kamoutsis, P. Laggner. *Curr Top Med Chem.* 4, (2004), 445.
8. **Conformation and Bioactivity. Design and Discovery of Novel Antihypertensive Drugs.** T. Mavromoustakos, M. Zervou, P. Zoumpoulakis, I. Kyrikou, N.P. Benetis, L. Polevaya, P. Roumelioti, N. Giatas, A. Zoga, P. Moutevelis Minakakis, A. Kolocouris, D. Vlahakos, S.G. Grdadolnik, J. Matsoukas, *Curr Top Med Chem.* 4, (2004), 385.
9. **2D NMR and conformational analysis of a prototype anti-tumor steroidal ester.** Agnes Kapou, Manolis A. Fousteris, Sotiris S. Nikolaropoulos, Maria Zervou, Simona G. Grdadolnik, Panagiotis Zoumpoulakis, Ioanna Kyrkou, Thomas Mavromoustakos, *J. Pharm. Biomed. Anal.*, 38, (2005), 428.
10. **Seeking the Active Site of the AT₁ Receptor for Computational Docking Studies.** Panagiotis Zoumpoulakis, Thomas Mavromoustakos, *DDR-O*, 2, (2005), 537-545.
11. **Structure elucidation and conformational study of V8. A novel synthetic non peptide AT₁ antagonist.** Panagiotis Zoumpoulakis, Aggeliki Politi, Simona Golic Grdadolnik, John Matsoukas, Thomas Mavromoustakos, *J. Pharm. Biomed. Anal.*, 40, (2006), 1097-1104.

12. **Synthesis, binding studies, and in vivo biological evaluation of novel non-peptide antihypertensive analogues.** T. Mavromoustakos, P. Moutevelis-Minakakis, C.G. Kokotos, P. Kontogianni, A. Politi, P. Zoumpoulakis, J. Findlay, A. Cox, A. Balmforth, A. Zoga, E. Iliodromitis. *Bioorg. Med. Chem.*, 14, (2006), 4353-4360.

13. **Sulfonamide-1,2,4-triazole derivatives as antifungal and antibacterial agents. Synthesis, Biological evaluation, Lipophilicity and Conformational Studies.** Iraj Rahabi Ezabadi, Charalabos Camoutsis, Panagiotis Zoumpoulakis, Athina Geronikaki, Marina Socovic, Jasmina Clamocilija and Ana Ciric. *Bioorg. Med. Chem.*, 16, (2008), 1150-1161.

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