

IOPC-2010

M. Bucos, C. Villalonga-Barber, M. Micha-Screttas, B.R. Steele, C.G. Screttas, G.A. Heropoulos

“Microwave assisted solid additive effects in simple dry chlorination reactions with N-chlorosuccinimide”

Tetrahedron **2010**, *66*, 2061-2065

D. M. Hodgson, C. Villalonga-Barber, J. M. Goodman, S. C. Pellegrinet.

“Synthetic and computational studies on the tricarboxylate core of 6,7-dideoxysqualenol H5 involving a carbonyl ylide cycloaddition-rearrangement”

Org. & Biom. Chem. **2010**, *8*, 3975-3984

K. Gardikis, S. Hatziantoniou, M. Bucos, D. Fessas, M. Signorelli, T. Felekitis, M. Zervou, C.G. Screttas, B.R. Steele, M. Ionov, M. Micha-Screttas, B. Klajnert, M. Bryszewska, C. Demetzos

“New drug delivery nanosystem combining liposomal and dendrimeric technology (liposomal locked-in dendrimers) for cancer therapy”

J. Pharm. Sci. **2010**, *99*, 3561-3571.

K. Gardikis, C. Tsimplouli, K. Dimas, M. Micha-Screttas , C. Demetzos

“New chimeric advanced Drug Delivery nanosystems (chi-aDDnSs) as Doxorubicin carriers”

Int. J. of Pharmac. **2010**, *402*, 231-237.

K. Gardikis; S. Hatziantoniou; M. Signorelli; M. Pusceddu; M. Micha-Screttas; A. Schiraldi; C. Demetzos; D. Fessas,

“Thermodynamic and structural characterization of Liposomal-Locked in-Dendrimers as drug carriers”

Colloids and Surfaces B: Biointerfaces **2010**, *81*, 11-19.

K.-M. Alexacou, A.-C. Tenchiu (Deleanu), E.D. Chrysina, M.-D. Charavgi, I.D. Kostas, S.E. Zographos, N.G. Oikonomakos, D.D. Leonidas

“The binding of β -D-glucopyranosyl-thiosemicarbazone derivatives to glycogen phosphorylase: A new class of inhibitors”

Bioorg. Med. Chem. **2010**, *18*, 7911-7922.

I. Papanastasiou, K.C. Prousis, K. Georgikopoulou, T. Pavlidis, E. Scoulica, N. Koloouris, T. Calogeropoulou.

“Design and synthesis of new adamantyl-substituted antileishmanial ether phospholipids”

Bioorg. Med. Chem. Lett. **2010**, *20*, 5484–5487.

M. Koufaki, E. Theodorou, X. Alexi, M.N. Alexis

“Synthesis of a second generation chroman/catechol hybrids and evaluation of their activity in protecting neuronal cells from oxidative stress-induced cell death.”

Bioorg. Med. Chem. **2010**, *18*, 3898-3909.

M. Koufaki, E. Theodorou, X. Alexi, F. Nikoloudaki, M.N. Alexis.
“Synthesis of tropolone derivatives and evaluation of their *in vitro* neuroprotective activity”.
Eur. J. Med. Chem. **2010**, *45*, 1107-1112.

S.P. Nikas, S.O. Alapafuja, I. Papanastasiou, C.A. Paronis, V.G. Shukla, D.P Papahatjis, A.L. Bowman, A. Halikhedkar, A. Han and A. Makriyannis.
“Novel 1'-1'Chain Substituted Hexahydrocannabinols: 9 β -Hydroxy-3-(1-hexyl-cyclobut-1-yl)-hexahydrocannabinol (AM2389) a Highly Potent Cannabinoid Receptor 1 (CB1) Agonist.”
J. Med. Chem. **2010** *53*, 6996–7010.

D.P. Papahatjis, V.R. Nahmias, S.P. Nikas, M. Schimpgen, A. Makriyannis.
“Design and Synthesis of (13S)-Methyl Substituted Arachidonic Acid Analogs: Templates for Novel Endocannabinoids.”
CHEMISTRY - A European Journal. **2010**, *16*, 4091-4099.

R. Zalesny, I.W. Bulik, Bartkowiak, J.M. Luis, A. Avramopoulos, M.G. Papadopoulos, P. Krawczyk.
“Electronic and vibrational contributions to first hyperpolarizability of donor- acceptor-substituted azobenzene”
J. Chem. Physics **2010**, *133*, article no. 244308.

A. Avramopoulos, L. Serrano-Andres, J. Li, M.G. Papadopoulos,
“On the electronic structure of H-Ng-Ng-F (Ng=Ar, Kr, Xe) and the nonlinear optical properties of HXe2F.”
J. Chem. Theor. Comp. **2010**, *6*, 3365-3372.

D. Begue, P. Labeguerie, D.Y. Zhang-Negrerie, A. Avramopoulos, L. Serrano-Andres, M.G. Papadopoulos.
“Theoretical investigations of the IR spectroscopy of Ni(C2S2H2)(2). A case study of the P_VMWCI2 algorithm including anharmonic effects”.
Phys. Chem. Chem. Phys. **2010**, *12*, 13746-13751.

G. Soras, N. Psaroudakis, G.A. Mousdis, M.J. Manos, A. J. Tasiopoulos, P. Aoukos, S. Couris, P. Labéquerie, J. Lipinski, A. Avramopoulos and M.G. Papadopoulos.
“Synthesis and non-linear optical properties of some novel nickel derivatives”.
Chem. Phys., **2010**, *372*, 33-45.

S. Durdag, M.G. Papadopoulos, P. Zoumpoulakis, C. Koukoulitsa, T. Mavromoustakos.
“A computational study on cannabinoid receptors and potent bioactive cannabinoid ligands: homology modeling, docking, de novo drug design and molecular dynamics analysis”.
Mol. Divers. **2010**, *14*, 257-276.

- R. Zalesny, O. Loboda, K. Illiopoulos, G. Chatzikyriakos, S. Couris, G. Rotas, N. Tagmatarchis, A. Avramopoulos, M.G. Papadopoulos.
“Linear and nonlinear optical properties of triphenylamine functionalized C₆₀: insights from theory and experiment.”
Phys. Chem. Chem. Phys. **2010**, *12*, 373-381.
- M. Plioukas, A. Termentzi, C. Gabrieli, M. Zervou, P. Kefalas, E. Kokkalou.
“Novel acylflavones from Sideritis syriaca ssp. Syriaca”.
Food Chemistry **2010**, *123*, 1136-1141.
- J. Wiecek, D. Kovala-Demertz, Z. Ciunik, M. Zervou, M.A. Demertzis.
“Diorganotin Complexes of a Thiosemicarbazone. Synthesis, Properties, X-Ray Crystal Structure and Antiproliferative Activity of Diorganotin Complexes”.
Bioinorg. Chem. Appl. **2010**, article no 867195, doi:10.1155/2010/867195
- J. Wiecek, D. Kovala-Demertz, Z. Ciunik, J. Wietrzyk, M. Zervou, M. Demertzis.
“Organotin compound derived from 3-hydroxy-2-formylpyridine- semicarbazone. Synthesis, crystal structure and anti-proliferative activity”.
Bioinorg. Chem. Appl. **2010**, article no 718606, doi:10.1155/2010/718606
- V. Saroglou, A. Karioti, A. Rancic, K. Dimas, C. Koukoulitsa, M. Zervou, H. Skaltsa.
“Sesquiterpene Lactones from Anthemis melanolepis and Their Antibacterial and Cytotoxic Activities. Prediction of Their Pharmacokinetic Profile.”
J. Nat. Prod. **2010**, *73*, 242–246.
- C. Camoutsis, A. Geronikaki, A. Ceric, M. Soković, P. Zoumpoulakis, M. Zervou.
“Sulfonamide-1,2,4-thiadiazole derivatives as antifungal and antibacterial agents: Synthesis, biological evaluation, lipophilicity, and conformational studies”
Chem. Pharm. Bull. **2010**, *58*, 160-167.
- K. Omar, A. Geronikaki, P. Zoumpoulakis, C. Camoutsis, M. Sokovic, A. Ceric, J. Clamocilja.
“Novel 4-thiazolidinone derivatives as potential antifungal and antibacterial drugs”.
Bioorg. Med. Chem. **2010**, *18*, 426-432.
- M.T. Matsoukas, P. Zoumpoulakis, T. Tselios.
Conformational analysis of aliskiren, a potent rennin inhibitor, in solution using NMR and molecular dynamics.
J. Peptide Sci. **2010**, *16*, 104.
- A. Cordopatis, G. Daletos, V. Magafa, M. Lamprou, E. Papadimitriou, P. Zoumpoulakis, M. Zervou, N. Assimomitis, A. Geronikaki.
Synthesis, evaluation and conformation solution studies of cysteine-based $\alpha 4 \beta 1$ -integrin ligands.
J. Peptide Sci. **2010**, *16*, 159.

A.P. Politi, M.V. Zervou, H. Triantafyllidi, P.G. Zoumpoulakis, T.M. Mavromoustakos, A.A. Zoga, P. Moutevelis-Minakakis, G. Kokotos, E.K. Iliodromitis and D. Th Kremastinos.

“Hypertension study in anaesthetized rabbits: protocol proposal for AT(1) antagonists screening”

JRAAS **2010**, *11*, 103-110.

V.G. Tsirkone, E. Tsoukala, C. Lamprakis, S. Manta, J.M. Hayes, V.T. Skamnaki, C. Drakou, S.E. Zographos, D. Komiotis, D.D. Leonidas

“1-(3-Deoxy-3-fluoro- β -D-glucopyranosyl) pyrimidine derivatives as inhibitors of glycogen phosphorylase b: Kinetic, crystallographic and modelling studies”

Bioorg. Med. Chem. **2010**, *18*, 3413-3425.

J.M. Hayes, D.D. Leonidas.

Computation as a tool for glycogen phosphorylase inhibitor design.

Mini Rev. Med. Chem. **2010**, *10*, 1156-1174.

N. Felfoldi, M. Toth, E.D. Chrysina, M.D. Charavgi, K.M. Alexacou, L. Somsak

“Synthesis of new glycosyl biuret and urea derivatives as potential glycoenzyme inhibitors”.

Carbohydr. Res. **2010**, *345*, 208-213.

E.D. Chrysina.

“The prototype of glycogen phosphorylase”.

Mini Rev. Med. Chem. **2010**, *10*, 1093-1101.

BOOKS

M. Koufaki and A. Detsi.

Design and synthesis of Antioxidant α -Lipoic Acid Hybrids. Advanced Protocols for Oxidative Stress II Series:

Methods in Molecular Biology **2010**, Vol. 594, Armstrong, Donald (Ed.) **2010**, p. 297-309.