

CURRICULUM VITAE
Emmanuel MIKROS PhD

Academic position: Professor

Professional address:

Pharmaceutical Chemistry Division
School of Pharmacy, University of Athens
Univ. Campus 15771 Zografou, Greece.
tel: +30 2107274813 Fax: +30 2107274747
email: mikros@pharm.uoa.gr

Date of Birth: January 11, 1961

Nationality: Hellenic

Marital status: Married, two children

Languages: Greek, French, English

<http://en.pharm.uoa.gr/personnel/faculty-members/pharmaceutical-chemistry/mikros-emmanuel.html> and <http://molsim.pharm.uoa.gr/>
https://www.linkedin.com/?trk=login_reg_redirect and https://www.researchgate.net/profile/Emmanuel_Mikros

Education

1988: Ph.D. (Organic Chemistry) Université PARIS XI, Orsay, France
1984: M. Sc. (Organic Chemistry) Université PARIS XI, Orsay, France
1983: Diploma (Chemistry) University of Athens

Research Career

2010- Professor, Pharmaceutical Chemistry, School of Pharmacy, Univ. of Athens
2003-2010 Associate Professor, Pharmaceutical Chemistry Division, Univ. of Athens
1995- 2003 Assistant Professor, Pharmaceutical Chemistry Division, Univ. of Athens.
1996 Research Fellow, Institut für Chemie Medizinische Universität zu Lübeck, Germany,
(6 months) Prof. T. Peters
1994, 1993 Research Fellow, Ingénierie Moléculaire, INRA, Centre de Recherches de Nantes,
(4 months) France. Dr. S. Perez
1992 Research Fellow Bioorganic and Spectroscopic Section, National Cancer Research
Institute, France, Prof. K. Antonakis
1991-1995 Lecturer, Pharmaceutical Chemistry Division, Univ. of Athens.
1989-1991 Research Fellow, Pharmaceutical Chemistry Division, Univ. of Athens.
1988-1989 Chemist (Military Service), Chemistry Lab. Hellenic Air Force Research Center.
Athens.
1988 Laboratoire de Biologie Physicochimique. Univ. Paris XI, Prof. J. Janin
1987 Dept. of Chemistry, Swarthmore College, Pennsylvania, USA., Prof. R. Pasternack
1983-1988 Ph. D. student, Lab. de Chimie de Coordination Bioorganique. Univ. Paris XI, Prof. A.
Gaudemer

Research Interests (<http://molsim.pharm.uoa.gr/>)

- Molecular Structure Analysis of biologically active molecules using N.M.R. spectroscopy and Molecular Simulations
- Structure Based Drug Design, In Silico screening
- NMR based Metabolomics

Fellowships

◆	DAAD (Germany)	1996
◆	Marie Curie Fellowship (European)	1994
◆	CIES (France)	1993
◆	Nat. Found. Sch. (IKY Greece)	1985-88

Teaching experience (~180 h/year)

2004- Inorganic Pharmaceutical Chemistry 1st year Pharmacy. Dept. of Pharmacy, Univ. of Athens
1991- Organic Spectroscopy M.Sc. and 2nd year Pharmacy students.
2010- Drug Design and Spectroscopy Laboratory training 3rd year Pharmacy Students
1989- Pharmaceutical Analysis Laboratory training of 4th year Pharmacy students.
2015- Drug Design, MSc and 4th year Pharmacy students

Post Graduate Supervising 6 Ph.D., 16 MSc.

Project Funding: Participation in 30 Research and Educational funded projects by National and EU organisms **Selected Projects:** LIFE 00 ENV/gr/000671 "Process development for an integrated olive oil mill waste management recovering natural antioxidants and producing organic fertilizer" (1.217.000 €). *AWARD TOP-20 BEST*

Life projects in EU for 2005, **LIFE03 ENV/GR/000223** "Development of an economically viable process for the integrated management of winemaking industry waste; production of high added value natural products and organic fertilizer". (1.316.423€) *AWARD TOP-5 BEST Life projects in EU for 2008*, **FP7-REGPOT-2007-1 CSA 206570** Reinforcing scientific and technological potential of the Natural Products Laboratory- University of Athens (NatForce) (1.050.000 €). **FP7-PEOPLE-IAPP-2008 230763** Marie Curie Actions Bioactive natural compounds extracted and isolated from olive tree using modern technologies: Probing into their therapeutic potential (1.300.000 €). **FP7-KBBE-2009-3-1-04** "From Biodiversity to Chemodiversity: Novel Plant Produced Compounds with Agrochemical and Cosmetic interest" (AgroCos) (4.094.507 €). **NATIONAL ACTION:«COOPERATION» NSRF 2007-2013/11-675:** PIK3CA Oncogenic Mutations in Breast and Colon Cancers: Development of Targeted Anticancer Drugs and Diagnostics, POM (1,962,900€) **NATIONAL ACTION:«COOPERATION» NSRF 2007-2013/21-1003:** Development and Screening of Novel beta Amyloid Peptide In-hibitors for Alzheimer's Disease, TreatAD (1,800,000€).

NATIONAL ACTION:«COOPERATION» NSRF 2007-2013/12-827 New markers for the diagnosis of resistance to antiplatelet drugs in patients with cardiovascular disease. Alternative therapeutic approach to the development of new antiplatelet agents, Resistance" (1,000,000€)

Delegate of Greece in the following **COST** actions **TD 905** Epigenetic from bench to bedside, **CM1406** Epigenetic Chemical Biology (EPICHEM), **CA15135** Multi-target paradigm for innovative ligand identification in the drug discovery process (MuTaLig)

Invited Professor Institut de Chimie de Nice December 2013

Reviewer in International Scientific Journals: *J. Am. Chem. Soc., J. Med. Chem., J. Agr. Food. Chem., J. Org. Chem., Lett. Pept. Sc., Magn. Res. Chem., Anal. Chim. Acta, Peptides*

Expert Evaluator for GSRT, Research Promotion Foundation (RPF) of Cyprus, Danish Council Ind. Res.

Scientific Societies: Hellenic Society of Medicinal Chemistry (*President*), American Chemical Society, Association of Greek Chemists, International Society of Magnetic Resonance

Collaborations Prof. S. Knapp (Goethe Univ.), Dr. P. Filippakopoulos (Structural Genomics Consortium, Univ. of Oxford), Prof B. Byrne (Univ. of Cambridge), Dr J. Mestres (Univ. Pompeu Fabra), Dr. M. Spraul and Dr H. Schäfer, (Bruker GmbH), Dr A. Ganesan (Univ. East Anglia), Prof. J. Rollinger (Univ. of Vienna), Dr L. Meijer (ManRos Therapeutics), Dr. N. Martinet (Univ. Nice), Dr. W. Sherman (Schrödinger Inc.), Prof. S.B. Engelsen (Univ. of Copenhagen), Prof. J. Koca and R. Marek (Masaryk Univ. of Brno), Prof. M. Hamburger (Univ. Basel), Prof. Gorgoulis, Tzioufas, Iliodromitis and Theocharis (Med. Sch. Univ. Athens), Dr. Alexis (Nat.Hell.Res.Found.), Prof. Mougios and Theodoridis (Univ. of Thessaloniki), Dr. Pelecanou (Demokritos Res Ctr), Prof. Tsikaris, A. Tselepis, E. Frilingos (Univ. Ioannina).

Conference organization

Workshop on Natural Products and Neurodegenerative Diseases June, Athens 2015 (Co-Chair)

COST Conference Epigenetics from Bench to Bedside Athens, May 2014, Organising Committee

13th EUROMAR Crete 2013, Organising Committee

Holistic Analytical Technologies for Biomedical Food and Plant Sciences, 2012, Athens, Greece, Chairman

18th EuroQSAR, Rhodes, Greece, 2010 Organising Committee

7th Joint Meeting of AFERP, ASP, GA, PSE & SIF Athens 2008 Organising Committee

15th Hellenic Symposium on Medicinal Chemistry Athens Greece 2012

13th Hellenic Symposium on Medicinal Chemistry Athens Greece 2008

Invited Speaker

International

- 29th International Symposium on the Chemistry of Natural Products and the 9th International Conference on Biodiversity (ISCNP-29 & ICOB-9), Izmir, September 2016
- Cosmetopea and Sustainable Cosmetics, LE STUDIUM Summer School Orléans, June 2016
- 7th Pharmacy Congress, Nicosia, May 2015
- The 16th Central European NMR Symposium, Zagreb, October 2014
- Trends in Drug Research, 32nd Cyprus Noordwijkerhout Camaerino Symposium Limassol, May 2014
- Institut de Chimie de Nice, December 2013
- INRIA Sofia-Antipolis December 2013
- Imperial College, October 2013
- International Workshop on LiSIs, Nicosia, Cyprus, June 2013
- Personalised Medicine Better health care for the future, COST conference Larnaka, Cyprus, June 2012
- Olitec Workshop, Frankfurt November 2012
- 12th Eurasia Conference on Chemical Sciences, April 2012, Corfu, Greece
- VII Joint Meeting on Medicinal Chemistry 2011 Catania Italy
- 4^{mes} Journées Internationales de l'AFERP, July 2010, Besançon, France

- Metabonomics- A new tool for exploring biocomplexity October, 2008. Valencia, Spain
- 6th Euro Fed Lipid Congress Athens September 2008
- Indirubins the red shade of indigo April 2006 Les Eyzies, France
- 5th Pharmacy Congress, Nicosia, Cyprus November, 2006
- XXII International Conference on Polyphenols, Helsinki, August 2004 Plenary Lecture
- Deuxièmes Journées Internationales de l'AFERP, Septembre 2002, Athènes, Grèce

National

- Biostruct-X Athens workshop, February 2016
- 6th Symposium Hellenic Society of Atherosclerosis, Athens, December 2015
- Metabolomics Series GR Workshop III Patras, September 2014
- Metrologia 2014, Athens Greece
- 2nd Conference on Pharmaceutical Sciences, Patras, September 2014
- NMR basics & Applications in Life Sciences, Patras, Greece, May 2013
- School of Medicine Univ of Athens, February 2013
- Biology Dept University of Thessaly March 2013
- 6th International Conference of the Hellenic Crystallographic Assoc. Athens, Greece, September 2012
- CancerNet, Univ. Patras, Greece, May 2012
- ARCADE Workshop, May 2012, Athens Greece
- Structure– & Computer– Aided Design Workshop: Bioactive Molecules & Materials” November 2011 Athens
- National Hellenic Research Foundation Institute of Organic and Pharmaceutical Chemistry, June 2011
- Recent Advances in Clinical Pharmacology, July 2010, Poros, Greece
- Chemistry Department University of Athens, October 2010
- 1st International Workshop on Holistic Analytical Technologies for Systems Biology Studies Thessaloniki October 2008
- 11th Hellenic Symposium on Medicinal Chemistry, Patras, January, 2004

Bibliometrics: Publications: 104, Citations: 2500, h-index : 27 (<https://scholar.google.gr/citations?hl=el&user=Q1fqO9oAAAAJ>)

Publications

1. Interactions of water-soluble zinc porphyrin with amino-acids; Mikros, E; Gaudemer, A; Pasternack, R; *Inorg. Chim. Acta*; (1988); 153; 199-200
[http://dx.doi.org/10.1016/S0020-1693\(00\)88867-2](http://dx.doi.org/10.1016/S0020-1693(00)88867-2)
2. Structural studies of metalloporphyrins .Part XI. Complexes of water-soluble zinc(II) porphyrins with amino-acids - influence of ligand-ligand interactions on the stability of the complexes; Vercherebeaur, C; Mikros, E; Perree-Fauvet, M; Gaudemer, A; *J. Inorg. Biochem.*; (1990); 40; 127-139
[http://dx.doi.org/10.1016/0162-0134\(90\)80046-Z](http://dx.doi.org/10.1016/0162-0134(90)80046-Z)
3. Structural studies of metalloporphyrins .10. Complexes of water-soluble cobalt(III) porphyrins with amino-acids. NMR study of the conformation of the complexes with cobalt(III) tetrakis[4-(N-methylpyridiniumyl)]porphine (CoTMPyP) and cobalt(III) tetrakis(4-carboxylatophenyl)porphine (CoTCPP); Mikros, E; Gaudemer, F; Gaudemer, A; *Inorg. Chem.*; (1991); 30; 1806-1815
<http://dx.doi.org/10.1021/ic00008a024>
4. Thermal dimerization of noracronycine; Baudouin, G; Mitaku, S; Mikros, E; Skaltsounis, Al; Tillequin, F; *Heterocycles*; (1992); 34; 1691-1696
<http://dx.doi.org/10.3987/COM-92-6077>
5. Quantitative treatment of the rotational-dynamics of flexible-chain molecules - c-13 nmr relaxation study of hydrocarbon chains attached to the fluorene anchor; Pissas, D; Dais, P; Mikros, E; *Magn. Reson. Chem.*; (1994); 32; 263-275
<http://dx.doi.org/10.1002/mrc.1260320503>
6. H-1 and C-13 NMR spectral assignments of some phenothiazine-derivatives; Pelecanou, M; Mikros, E; Catsoulacos, P; *Magn. Reson. Chem.*; (1994); 32; 178-180
<http://dx.doi.org/10.1002/mrc.1260320307>

7. H-1 NMR spectroscopic elucidation of stereochemical effects of substituted cerium porphyrin double-deckers; Davoras, E; Spyroulias, G; Mikros, E; Coutsoleolos, A; *Inorg. Chem.*; (1994); 33; 3430-3434
<http://dx.doi.org/10.1021/ic00093a037>
8. Computer-simulation of histo-blood group oligosaccharides - energy maps of all constituting disaccharides and potential-energy surfaces of 14 ABH and Lewis carbohydrate antigens; Imberty, A; Mikros, E; Koca, J; Mollicone, R; Oriol, R; Perez, S; *Glycoconjugate J.*; (1995); 12; 331-349
<http://dx.doi.org/10.1007/BF00731336>
9. Synthesis and characterization of homo- and heteroporphyrin dimers involving a rhodium-indium bond; Coutsoleolos, AG; Lux, D; Mikros, E; *Polyhedron*; (1996); 15; 705-715
[http://dx.doi.org/10.1016/0277-5387\(95\)00256-R](http://dx.doi.org/10.1016/0277-5387(95)00256-R)
10. Conformational analysis of asperlin by NMR spectroscopy and molecular modeling; Mikros, E; Dais, P; Sauriol, F; *Carbohydr. Res.*; (1996); 294; 1-13
http://linkinghub.elsevier.com/retrieve/pii/S000862159600201_7
11. How do antibodies and lectins recognize histo-blood group antigens? A 3D-QSAR study by comparative molecular field analysis (CoMFA); Imberty, A; Mollicone, R; Mikros, E; Carrupt, PA; Perez, S; Oriol, R; *Bioorg. Med. Chem.*; (1996); 4; 1979-1988
[http://dx.doi.org/10.1016/S0968-0896\(96\)00179-4](http://dx.doi.org/10.1016/S0968-0896(96)00179-4)
12. Conformational analysis of a complex between Dolichos biflorus lectin and the Forsman pentasaccharide using transferred NOE build-up curves; Rinnbauer, M; Mikros, E; Peters, T; *J. Carbohydr. Chem.*; (1998); 17; 217-230
<http://dx.doi.org/10.1080/07328309808002323>
13. Stereodynamics of ring and nitrogen inversion in spiroheterocycles. Conformational analysis of N-methylspiro[morpholine-3,2'-adamantane] and N-methylspiro[piperidine-2,2'-adamantane] using NMR spectroscopy and theoretical calculations; Kolocouris, A; Mikros, E; Kolocouris, N; *J. Chem. Soc.-Perkin Trans. 2*; (1998); 1701-1708
<http://dx.doi.org/10.1039/A705868C>
14. Stereochemical effects in some acronycine derivatives; Mikros, E; Mitaku, S; Skaltsounis, AL; Libot, F; Tillequin, F; Koch, M; *Magn. Reson. Chem.*; (1999); 37; 498-506
[http://dx.doi.org/10.1002/\(SICI\)1097-458X\(199907\)37:7<498::AID-MRC490>3.0.CO;2-P](http://dx.doi.org/10.1002/(SICI)1097-458X(199907)37:7<498::AID-MRC490>3.0.CO;2-P)
15. Megistosarcimine and megistosarconine, two alkaloids from *Sarcomelicope megistophylla*; Fokialakis, N; Mitaku, S; Mikros, E; Skaltsounis, AL; Tillequin, F; Sevenet, T; *Phytochemistry*; (1999); 52; 1745-1748
[http://dx.doi.org/10.1016/S0031-9422\(99\)00323-4](http://dx.doi.org/10.1016/S0031-9422(99)00323-4)
16. Conformational analysis of C-disaccharides using molecular mechanics calculations.; Mikros, E; Labrinidis, G; Perez, S; *J. Carbohydr. Chem.*; (2000); 19; 1319-1349
<http://dx.doi.org/10.1080/07328300008544154>
17. Prevezols A and B: new brominated diterpenes from the red alga *Laurencia obtusa*; Mihopoulos, N; Vagias, C; Mikros, E; Scoullou, M; Roussis, V; *Tetrahedron Lett.*; (2001); 42; 3749-3752
[http://dx.doi.org/10.1016/S0040-4039\(01\)00538-X](http://dx.doi.org/10.1016/S0040-4039(01)00538-X)
18. Conformational analysis of poly(N-vinylcarbazole) by NMR spectroscopy and molecular modeling; Karali, A; Dais, P; Mikros, E; Heatley, F; *Macromolecules*; (2001); 34; 5547-5554
<http://dx.doi.org/10.1021/ma010117n>
19. High-resolution NMR spectroscopy of the beta-amyloid(1-28) fibril typical for Alzheimer's disease; Mikros, E; Benaki, D; Humpfer, E; Spraul, M; Loukas, S; Stassinopoulou, CI; Pelecanou, M; *Angew. Chem.-Int. Edit.*; (2001); 40; 3603-3605
[http://dx.doi.org/10.1002/1521-3773\(20011001\)](http://dx.doi.org/10.1002/1521-3773(20011001))
20. Synthesis, cytotoxic activity, NMR study and stereochemical effects of some new pyrano[3,2-b]thioxanthen-6-ones and pyrano[2,3-c]thioxanthen-7-ones; Kostakis, IK; Pouli, N; Marakos, P; Mikros, E; Skaltsounis, AL; Leonce, S; Atassi, G; Renard, P; *Bioorg. Med. Chem.*; (2001); 9; 2793-2802
[http://dx.doi.org/10.1016/S0968-0896\(01\)00130-4](http://dx.doi.org/10.1016/S0968-0896(01)00130-4)
21. Conformational analysis of the nonapeptide leuporelin using NMR and molecular modeling; Benaki, DC; Paxinou, E; Magafa, V; Pairas, GN; Manessi-Zoupa, E; Cordopatis, PA; Mikros, E; *Lett. Pept. Sci.*; (2001); 8; 77-87
<http://dx.doi.org/10.1023/A:1015036903464>

22. The Ac-RGD-NH₂ peptide as a probe of slow conformational exchange of short linear peptides in DMSO; Biris, N; Stavrakoudis, A; Politou, AS; Mikros, E; Sakarellos-Daitsiotis, M; Sakarellos, C; Tsikaris, V; *Biopolymers*; (2003); 69; 72-86
<http://dx.doi.org/10.1002/bip.10335>
23. Structural characteristics of some mercaptoacetic acid hydrazides; Marakos, P; Pouli, N; Papakonstantinou-Garoufalas, S; Mikros, E; *J. Mol. Struct.*; (2003); 650; 213-221
[http://dx.doi.org/10.1016/S0022-2860\(03\)00158-3](http://dx.doi.org/10.1016/S0022-2860(03)00158-3)
24. Interactions of a series of novel spiropyranocoumarin derivatives with reactive oxygen species; Panteleon, V; Marakos, P; Pouli, N; Mikros, E; Andreadou, L; *J. Pharm. Pharmacol.*; (2003); 55; 1029-1039
<http://dx.doi.org/10.1211/0022357021512>
25. Synthesis, conformational analysis and free radical scavenging activity of some new spiropyranquinolinones. Panteleon, V; Marakos, P; Pouli, N; Mikros, E; Andreadou, I; *Chem Pharm. Bull.* (2003); 51; 522-529
[http://dx.doi.org/10.1002/\(SICI\)1097-458X\(199907\)37:7<498::AID-MRC490>3.0.CO;2-P](http://dx.doi.org/10.1002/(SICI)1097-458X(199907)37:7<498::AID-MRC490>3.0.CO;2-P)
26. Losartan's molecular basis of interaction with membranes and AT(1) receptor; Zoumpoulakis, P; Daliani, I; Zervou, M; Kyrikou, I; Siapi, E; Lamprinidis, G; Mikros, E; Mavromoustakos, T; *Chem. Phys. Lipids*; (2003); 125; 13-25
[http://dx.doi.org/10.1016/S0009-3084\(03\)00053-7](http://dx.doi.org/10.1016/S0009-3084(03)00053-7)
27. Conformational analysis of C-trehaloses using molecular mechanics calculations; Mikros, E; Labrinidis, G; Perez, S; *J. Carbohydr. Chem.*; (2003); 22; 407-421
<http://dx.doi.org/10.1081/CAR-120025327>
28. Stereoselective intramolecular azide 1,3-dipolar cycloaddition; Markidis, T; Mikros, E; Kokotos, G; *Heterocycles*; (2003); 60; 2637-2644
<http://dx.doi.org/10.3987/COM-03-9868>
29. Structural basis for the synthesis of indirubins as potent and selective inhibitors of glycogen synthase kinase-3 and cyclin-dependent kinases; Polychronopoulos, P; Magiatis, P; Skaltsounis, AL; Myrianthopoulos, V; Mikros, E; Tarricone, A; Musacchio, A; Roe, SM; Pearl, L; Leost, M; Greengard, P; Meijer, L; *J. Med. Chem.*; (2004); 47; 935-946
<http://dx.doi.org/10.1021/jm031016d>
30. A new class of phytoestrogens: Evaluation of the estrogenic activity of deoxybenzoins; Fokialakis, N; Lambrinidis, G; Mitsiou, DJ; Aligiannis, N; Mitakou, S; Skaltsounis, AL; Pratsinis, H; Mikros, E; Alexis, MN; *Chem. Biol.*; (2004); 11; 397-406
<http://dx.doi.org/10.1016/j.chembiol.2004.02.014>
31. Application of nuclear magnetic resonance spectroscopy combined with principal component analysis in detecting inborn errors of metabolism using blood spots: a metabonomic approach; Constantinou, MA; Papakonstantinou, E; Benaki, D; Spraul, M; Shulpis, K; Koupparis, MA; Mikros, E; *Anal. Chim. Acta*; (2004); 511; 303-312
<http://dx.doi.org/10.1016/j.aca.2004.02.012>
32. Conformational analysis of peptide analogues of Silkmoth chorion protein segments using CD, NMR and molecular modelling; Benaki, DC; Mikros, E; Hamodrakas, SJ; *J. Pept. Sci.*; (2004); 10; 381-392
<http://dx.doi.org/10.1002/psc.540>
33. Melatonin does not prevent the protection of ischemic preconditioning in vivo despite its antioxidant effect against oxidative stress; Andreadou, I; Iliodromitis, EK; Mikros, E; Bofilis, E; Zoga, A; Constantinou, M; Tsantili-Kakoulidou, A; Kremastinos, DT; *Free Radic. Biol. Med.*; (2004); 37; 500-510
<http://dx.doi.org/10.1016/j.freerbiomed.2004.05.005>
34. Structural study by NMR of an oxorhenium-RGD decapeptide complex for application in radiotherapy; Costopoulos, B; Benaki, D; Pelecanou, M; Mikros, E; Stassinopoulou, CI; Varvarigou, AD; Archimandritis, SC; *Inorg. Chem.*; (2004); 43; 5598-5602
<http://dx.doi.org/10.1021/ic049519c>
35. Solution structure of humanin, a peptide against Alzheimer's disease-related neurotoxicity; Benaki, D; Zikos, C; Evangelou, A; Livaniou, E; Vlassi, M; Mikros, E; Pelecanou, M; *Biochem. Biophys. Res. Commun.*; (2005); 329; 152-160
<http://dx.doi.org/10.1016/j.bbrc.2005.01.100>
36. H-1 NMR-based metabonomics for the diagnosis of inborn errors of metabolism in urine; Constantinou, MA; Papakonstantinou, E; Spraul, M; Sevastiadou, S; Costalos, C; Koupparis, MA; Shulpis, K; Tsantili-Kakoulidou, A; Mikros, E;

- Anal. Chim. Acta*; (2005); 542; 169-177
<http://dx.doi.org/10.1016/j.aca.2005.03.059>
37. Conformational analysis of ochratoxin a by NMR spectroscopy and computational molecular modeling; Dais, P; Stefanaki, I; Fragaki, G; Mikros, E; *J. Phys. Chem. B*; (2005); 109; 16926-16936
<http://dx.doi.org/10.1021/jp0580035e>
38. 1-Ethyl-1H-3-nitrobenzopyrano[4,3,2-cd]isoindole: a novel heterocyclic ring system bearing an unusually labile deuterium-exchangeable aromatic proton; Hadjipavlou, C; Kostakis, IK; Pouli, N; Marakos, P; Mikros, E; *Tetrahedron Lett.*; (2006); 47; 3681-3684
<http://dx.doi.org/10.1016/j.tetlet.2006.03.010>
39. Estrogenic activity of isoflavonoids from *Onobrychis ebenoides*; Halabalaki, M; Alexi, X; Aligiannis, N; Lambrinidis, G; Pratsinis, H; Florentin, I; Mitakou, S; Mikros, E; Skaltsounis, AL; Alexis, MN; *Planta Med.*; (2006); 72; 488-493
<http://dx.doi.org/10.1055/s-2005-916261>
40. The olive constituent oleuropein exhibits anti-ischemic, antioxidative, and hypolipidemic effects in anesthetized rabbits; Andreadou, I; Iliodromitis, EK; Mikros, E; Constantinou, M; Agalias, A; Magiatis, P; Skaltsounis, AL; Kamber, E; Tsantili-Kakoulidou, A; Kremastinos, DT; *J. Nutr.*; (2006); 136; 2213-2219
<http://jn.nutrition.org/cgi/content/full/136/8/2213>
41. The estrogen receptor and polyphenols: molecular simulation studies of their interactions, a review; Lambrinidis, G; Halabalaki, M; Katsanou, ES; Skaltsounis, AL; Alexis, MN; Mikros, E; *Environ. Chem. Lett.*; (2006); 4; 159-174
<http://dx.doi.org/10.1007/s10311-006-0065-y>
42. Solution structure of Ser14Gly-humanin, a potent rescue factor against neuronal cell death in Alzheimer's disease; Benaki, D; Zikos, C; Evangelou, A; Livaniou, E; Vlassi, M; Mikros, E; Pelecanou, M; *Biochem. Biophys. Res. Commun.*; (2006); 349; 634-642
<http://dx.doi.org/10.1016/j.bbrc.2006.08.087>
43. Synthesis and tautomerism study of 7-substituted pyrazolo[3,4-c]pyridines; Kourafalos, VN; Marakos, P; Mikros, E; Pouli, N; Marek, J; Marek, R; *Tetrahedron*; (2006); 62; 11987-11993
<http://dx.doi.org/10.1016/j.tet.2006.09.081>
44. Application of metabonomics on an experimental model of fibrosis and cirrhosis induced by thioacetamide in rats; Constantinou, MA; Theocharis, SE; Mikros, E; *Toxicol. Appl. Pharmacol.*; (2007); 218; 11-19
<http://dx.doi.org/10.1016/j.taap.2006.10.007>
45. Application of NMR-based metabonomics in the investigation of myocardial ischemia-reperfusion, ischemic preconditioning and antioxidant intervention in rabbits; Constantinou, MA; Tsantili-Kakoulidou, A; Andreadou, I; Iliodromitis, EK; Kremastinos DT; Mikros, E; *Eur. J. Pharm. Sci.*; (2007); 30; 303-314
<http://dx.doi.org/10.1016/j.ejps.2006.11.016>
46. A new process for the management of olive oil mill waste water and recovery of natural antioxidants; Agalias, A; Magiatis, P; Skaltsounis, AL; Mikros, E; Tsarbopoulos, A; Gikas, E; Spanos, I; Manios, T; *J. Agric. Food Chem.*; (2007); 55; 2671-2676
<http://dx.doi.org/10.1021/jf063091d>
47. H-1 NMR monitoring of the canine metabolic profile after oral administration of xenobiotics using multivariate statistics; Constantinou, MA; Vertzoni, M; Reppas, C; Tsantili-Kakoulidou, A; Mikros, E; *Mol. Pharm.*; (2007); 4; 258-268
<http://dx.doi.org/10.1021/mp060069z>
48. An integrated computational approach to the phenomenon of potent and selective inhibition of aurora kinases B and C by a series of 7-substituted indirubins; Myriantopoulos, V; Magiatis, P; Ferandin, Y; Skaltsounis, AL; Meijer, L; Mikros, E; *J. Med. Chem.*; (2007); 50; 4027-4037
<http://dx.doi.org/10.1021/jm070077z>
49. Deoxybenzoins are novel potent selective estrogen receptor modulators; Papoutsis, Z; Kassi, E; Fokialakis, N; Mitakou, S; Lambrinidis, G; Mikros, E; Moutsatsou, P; *Steroids*; (2007); 72; 693-704
<http://dx.doi.org/10.1016/j.steroids.2007.05.010>
50. NMR study of 5-substituted pyrazolo[3,4-c]pyridine derivatives; Tsikouris, O; Bartl, T; Tousek, J; Lougiakis, N; Tite, T; Marakos, P; Pouli, N; Mikros, E; Marek, R;

- Magn. Reson. Chem.*; (2008); 46; 643-649
<http://dx.doi.org/10.1002/mrc.2226>
51. Roscovitine-derived, dual-specificity inhibitors of cyclin-dependent kinases and casein kinases 1; Oumata, N; Bettayeb, K; Ferandin, Y; Demange, L; Lopez-Giral, A; Goddard, ML; Myriantopoulos, V; Mikros, E; Flajolet, M; Greengard, P; Meijer, L; Galons, H;
J. Med. Chem.; (2008); 51; 5229-5242
<http://dx.doi.org/10.1021/jm800109e>
52. Soluble 3',6-Substituted Indirubins with Enhanced Selectivity toward Glycogen Synthase Kinase-3 Alter Circadian Period; Vougianniopoulou, K; Ferandin, Y; Bettayeb, K; Myriantopoulos, V; Lozach, O; Fan, Y; Johnson, CH; Magiatis, P; Skaltsounis, AL; Mikros, E; Meijer, L;
J. Med. Chem.; (2008); 51; 6421-6431
<http://dx.doi.org/10.1021/jm800648y>
53. Structure-activity relationships of alpha(IIb) 313-320 derived peptide inhibitors of human platelet aggregation; Stanica, RM; Benaki, D; Rodis, FI; Mikros, E; Tsoukatos, D; Tselepis, A; Tsikaris, V;
J. Pept. Sci.; (2008); 14; 1195-1202
<http://dx.doi.org/10.1002/psc.1060>
54. Conformational properties of the macrocyclic trichothecene mycotoxin verrucaric acid in solution; Fragaki, G; Stefanaki, I; Dais, P; Mikros, E;
Magn. Reson. Chem.; (2008); 46; 1102-1111
<http://dx.doi.org/10.1002/mrc.2298>
55. The Synthesis of a Novel C-Nucleoside Designed as Guanosine Analogue; Kourafalos, VN; Tite, T; Mikros, E; Marakos, P; Pouli, N; Balzarini, J;
Synlett; (2008); 3129-3132
<http://dx.doi.org/10.1055/s-0028-1087276>
56. Synthesis of 1,2-annulated adamantane heterocycles: structural determination studies of a bioactive cyclic sulfite; Zoidis, G; Benaki, D; Myriantopoulos, V; Naesens, L; De Clercq, E; Mikros, E; Kolocouris, N;
Tetrahedron Lett.; (2009); 50; 2671-2675
<http://dx.doi.org/10.1016/j.tetlet.2009.03.132>
57. Detection of interactions of the beta-amyloid peptide with small molecules employing transferred NOEs; Benaki, D; Stathopoulou, K; Leondiadis, L; Ferderigos, N; Pelecanou, M; Mikros, E;
J. Pept. Sci.; (2009); 15; 435-441
<http://dx.doi.org/10.1002/psc.1138>
58. Metabonomic identification of novel biomarkers in doxorubicin cardiotoxicity and protective effect of the natural antioxidant oleuropein; Andreadou, I; Papaefthimiou, M; Zira, A; Constantinou, M; Sigala, F; Skaltsounis, AL; Tsantili-Kakoulidou, A; Iliodromitis, EK; Kremastinos, DT; Mikros, E;
NMR Biomed.; (2009); 22; 585-592
<http://dx.doi.org/10.1002/nbm.1370>
59. Acute liver acetaminophen toxicity in rabbits and the use of antidotes: a metabonomic approach in serum; Zira, A; Mikros, E; Giannioti, K; Galanopoulou, P; Papalois, A; Liapi, C; Theocharis, S;
J. Appl. Toxicol.; (2009); 29; 395-402
<http://dx.doi.org/10.1002/jat.1425>
60. 6-Br-5methylindirubin-3' oxime (5-Me-6-BIO) targeting the leishmanial glycogen synthase kinase-3 (GSK-3) short form affects cell-cycle progression and induces apoptosis-like death: Exploitation of GSK-3 for treating leishmaniasis; Xingi, E; Smirlis, D; Myriantopoulos, V; Magiatis, P; Grant, KM; Meijer, L; Mikros, E; Skaltsounis, AL; Soteriadou, K;
Int. J. Parasit.; (2009); 39; 1289-1303
<http://dx.doi.org/10.1016/j.ijpara.2009.04.005>
61. ¹H NMR-Based Metabonomics for the Classification of Greek Wines According to Variety, Region and Vintage – Comparison with HPLC Data. Anastasiadi, M; Zira, A; Magiatis, P; Haroutounian, S; Skaltsounis, AL; Mikros E;
J. Agr. Food. Chem. (2009); 57; 11067-11074
<http://dx.doi.org/10.1021/jf902137e>
62. Differential estrogen receptor subtype modulators: Assessment of estrogen receptor subtype-binding selectivity and transcription-regulating properties of new cycloalkyl pyrazoles Alexi, X; Kasiotis, KM; Fokialakis, N; Lambrinidis, G; Meligova, AK; Mikros, E; Haroutounian, SA; Alexis, MN
J. Steroid Biochem. & Mol. Biol. (2009); 117; 159-167
<http://dx.doi.org/10.1016/j.jsbmb.2009.09.006>
63. ¹H NMR Metabonomic Analysis in Renal Cell Carcinoma: a Possible Diagnostic Tool Zira, AN; Theocharis, SE; Mitropoulos, D; Migdalis V; Mikros E.
J. Prot. Res. (2010), 9, 4038-4044
<http://dx.doi.org/10.1021/pr100226m>
64. Design and synthesis of new C-nucleosides as potential adenosine deaminase inhibitors Tite, T; Lougiakis, N; Myriantopoulos, V; Marakos, P; Mikros, E; Pouli, N; Tenta, R; Fragopoulou, E; Nomikos, T.

- Tetrahedron* (2010); 66; 9620-9628
<http://dx.doi.org/10.1016/j.tet.2010.10.005>
65. ¹H NMR-Based Metabonomic Investigation of the Effect of Two Different Exercise Sessions on the Metabolic Fingerprint of Human Urine
Pechlivanis A, Kostidis S, Saraflanidis P, Petridou A, Tsalis G, Mougios V, Gika HG, Mikros E, Theodoridis GA.
J. Prot. Res (2010), 9, 6405-6416
<http://dx.doi.org/10.1021/pr100684t>
66. The Use of Oleuropein on Myocardium
Andreadou, I., Iliodromitis, E.K., Mikros, E., Skaltsounis, A.-L., Kremastinos, D.T.
Olives and Olive Oil in Health and Disease Prevention, Ronald Ross Watson, editors, *Olives and Olive Oil in Health and Disease Prevention*. Oxford: Academic Press, 2010, pp. 1313-1320.
ISBN: 978-0-12-374420-3
67. Mutational analysis and modeling reveal functionally critical residues in transmembrane segments 1 and 3 of the UapA transporter
Amillis, S., Kosti, V., Pantazopoulou, A., Mikros, E., Diallinas, G.
Journal of Molecular Biology (2011) 411, 567-580
<http://dx.doi.org/10.1016/j.jmb.2011.06.024>
68. A substrate translocation trajectory in a cytoplasm-facing topological model of the monocarboxylate/H⁺ symporter Jen1p
Soares-Silva, I., Sá-Pessoa, J., Myriantopoulos, V., Mikros, E., Casal, M., Diallinas, G.
Molecular Microbiology (2011) 81, 805-817
<http://dx.doi.org/10.1111/j.1365-2958.2011.07729.x>
69. Investigating the Effect of Antioxidant Treatment on the Protective Effect of Preconditioning in Anesthetized Rabbits
Andreadou, I Iliodromitis, EK. Souridis V, Prokavas E, Kostidis S, Zoga A, Dagres N, Tsantili-Kakoulidou A, Kremastinos D.Th, Mikros E, and Anastasiou-Nana M
J Cardiovasc Pharmacol (2011) 58 (6), 609-616
<http://dx.doi.org/10.1097/FJC.0b013e31822fc783>
70. Design, synthesis and molecular simulation studies of dihydrostilbene derivatives as potent tyrosinase inhibitors. [Vontzalidou A.](#), [Zoidis, G.](#), [Chaita, E.](#), [Makropoulou, M.](#), [Aliagiannis, N.](#), [Lambrinidis, G.](#), [Mikros, E.](#), [Skaltsounis, A.L.](#)
Bioorganic & Medicinal Chemistry Letters (2012) 22, 5523–5526
<http://dx.doi.org/10.1016/j.bmcl.2012.07.029>
71. Identification of the Substrate Recognition and Transport Pathway in a Eukaryotic Member of the Nucleobase-Ascorbate Transporter (NAT) Family
Kosti V, Lambrinidis G, Myriantopoulos V, Diallinas G, Mikros E
PLoS ONE (2012) 7(7):e41939
<http://dx.doi.org/10.1371/journal.pone.0041939>
72. Modeling, Substrate Docking and Mutational Analysis Identify Residues essential for the function and specificity of a Eukaryotic Purine-Cytosine NCS1 Transporter
Kryptou E, Kosti V, Amillis S, Myriantopoulos V, Mikros E, Diallinas G.
Journal of Biological Chemistry (2012), 287, 36792-36803
<http://dx.doi.org/10.1074/jbc.M112.400382>
73. Novel Inverse Binding Mode of Indirubin Derivatives Yields Improved Selectivity for DYRK Kinases
Myriantopoulos V, Kritsanida M, Gaboriaud-Kolar N, Magiatis P, Ferandin Y, Durieu E, Lozach O, Cappel D, Sundararajan M, Filippakopoulos P, Sherman W, Knapp S, Meijer L, Mikros E, Skaltsounis AL.
ACS Med. Chem. Lett., 2013, 4, 22-26
<http://dx.doi.org/10.1021/ml300207a>
74. ¹H NMR Study on the Short- and Long-Term Impact of Two Training Programs of Sprint Running on the Metabolic Fingerprint of Human Serum
Pechlivanis A, Kostidis S, Saraflanidis P, Petridou A, Tsalis G, Veselkov K, Mikros E, Mougios V, Theodoridis GA.
J. Proteome Res. 2013, 12, 470–480
<http://dx.doi.org/10.1021/pr300846x>
75. ¹H NMR-based metabonomics approach in a rat model of acute liver injury and regeneration induced by CCl₄ administration
Zira A, Kostidis S, Theocharis S, Sigala F, Engelsen SB, Andreadou I, Mikros E.
Toxicology, 2013, 303 115–124
<http://dx.doi.org/10.1016/j.tox.2012.10.015>
76. Analysis of PPAR- α/γ activity by combining 2-D QSAR and molecular simulation
Vallianatou, T., Lambrinidis, G., Giaginis, C., Mikros, E., Tsantili-Kakoulidou, A.
Molecular Informatics, 2013, 32, 431-445
<http://dx.doi.org/10.1002/minf.201200117>
77. Recent advances and new strategies in the NMR-based identification of natural products
Halabalaki M, Vougiogiannopoulou K, Mikros E, Skaltsounis AL.
Current Opinion in Biotechnology 2014, 25, 1-7
<http://dx.doi.org/10.1016/j.copbio.2013.08.005>

78. Sample Preparation Issues in NMR-based Plant Metabolomics: Optimisation for Vitis Wood Samples
Halabalaki M, Bertrand S, Stefanou A, Gindro K, Kostidis S, Mikros E, Skaltsounis LA, Wolfender JL.
Phytochemical Analysis 2014, 25, 350-356
<http://dx.doi.org/10.1002/pca.2497>
79. An inhibitor-driven study for identifying leishmanial GSK-3 selective determinants
Efsthathiou A, Gaboriaud-Kolar N, Smirlis D, Myriantopoulos V, Vougianniopoulou K, Alexandratos A, Kritsanida M, Mikros E, Soteriadou K, Skaltsounis AL.
Parasites & Vectors 2014, 7, 1-12
<http://dx.doi.org/10.1186/1756-3305-7-234>
80. Oleuropein prevents doxorubicin-induced cardiomyopathy interfering with signaling molecules and cardiomyocyte metabolism
Andreadou I, Mikros E, Ioannidis K, Sigala F, Naka K, Kostidis S, Farmakis D, Tenta R, Kavantzias N, Bibli SI, Gikas E, Skaltsounis L, Kremastinos DT, Iliodromitis EK.
J. Mol. Cell. Card. 2014, 69, 4-16
<http://dx.doi.org/10.1016/j.yjmcc.2014.01.007>
81. Erythroidine Alkaloids: A Novel Class of Phytoestrogens
Djiogue S, Halabalaki M, Njamen D, Kretzschmar G, Lambrinidis G, Hoepfing J, Raffaelli FM, Mikros E, Skaltsounis AL, Vollmer G.
Planta medica, 2014, 80, 861-869
<http://dx.doi.org/10.1055/s-0034-1382861>
82. Modelling, substrate docking and mutational analysis identify residues essential for function and specificity of the major fungal purine transporter AzgA
Kryptou E, Lambrinidis G, Evangelidis T, Mikros E, Diallinas G.
Molecular microbiology, 2014, 93, 129-145
<http://dx.doi.org/10.1111/mmi.12646>
83. Can we use the epigenetic bioactivity of caloric restriction and phytochemicals to promote healthy ageing?
Christodoulou M.S., Thomas A., Poulain S, Vidakovic M., Lahtela-Kakkonen M, Matulis D., Bertrand P, Bartova E, Blanquart C, Mikros E, Fokialakis N, Passarella D, Benhida R, Martinet N
Med. Chem. Commun. 2014, 5, 1804-1820
<http://dx.doi.org/10.1039/C4MD00268G>
84. The *Aspergillus nidulans* proline permease as a model for understanding the factors determining substrate binding and specificity of fungal amino acid transporters.
Gournas, C., Evangelidis, T., Athanasopoulos, A., Mikros, E., & Sophianopoulou, V.
Journal of Biological Chemistry, 2015 290, 6141-6155
<http://dx.doi.org/10.1074/jbc.M114.612069>
85. Origin, diversification and substrate specificity in the family of NCS1/FUR transporters.
Kryptou E, Evangelidis T, Bobonis J, Pittis AA, Gabaldón T, Sczzocchio C, Mikros E, Diallinas G.
Molecular microbiology. 2015, 96, 927-950
<http://dx.doi.org/10.1111/mmi.12982>
86. LiSIs: An Online Scientific Workflow System for Virtual Screening. Combinatorial chemistry & high throughput screening.
Kannas, C.C. Kalvari, I. Lambrinidis, G. Neophytou, C.M. Savva, C.G. Kirmitzoglou, I. Antoniou, Z. Achilleos, K.G. Scherf, D. Pitta, C.A., Nicolaou, C.A. Mikros, E. Promponas, V.J. Gerhauser, C. Mehta, R.G. Constantinou, A.I. Pattichis, C.S.
Combinatorial chemistry & high throughput screening. 2015, 18, 281-295.
<http://dx.doi.org/>
87. NMR Studies of Inborn Errors of Metabolism
Kostidis, S., & Mikros, E.
eMagRes. 2015, 4, 57-68.
<http://dx.doi.org/10.1002/9780470034590.emrstm1400>
88. Analysis of conserved NCS2 motifs in the *Escherichia coli* xanthine permease XanQ
Karena, E., Tatsaki, E., Lambrinidis, G., Mikros, E., Frillingos, S.
Molecular Microbiology, 2015, 98, 502-517.
<http://dx.doi.org/10.1111/mmi.13138>
89. Discovery of the glycogen phosphorylase-modulating activity of a resveratrol glucoside by using a virtual screening protocol optimized for solvation effects
Mavrokefalos, N., Myriantopoulos, V., Chajistamatiou, A.S., Chrysin, E.D., Mikros, E.
Planta Medica, 2015, 81 507-516.
<http://dx.doi.org/10.1055/s-0035-1545910>
90. Effects of the olive tree leaf constituents on myocardial oxidative damage and atherosclerosis
Efentakis, P., Iliodromitis, E.K., Mikros, E., Papachristodoulou, A., Dages, N., Skaltsounis, A.-L., Andreadou, I.
Planta Medica, 2015, 81 648-654.
<http://dx.doi.org/10.1055/s-0035-1546017>
91. NMR-Based Metabolomic Study on *Isatis tinctoria*: Comparison of Different Accessions, Harvesting Dates, and the Effect of Repeated Harvesting

- Guldbrandsen, N., Kostidis, S., Schäfer, H., De Mieri, M., Spraul, M., Skaltsounis, A.-L., Mikros, E., Hamburger, M. *Journal of Natural Products*, 2015, 78, 977-986.
<http://dx.doi.org/10.1021/np5008763>
92. Novel indole-flutimide heterocycles with activity against influenza PA endonuclease and hepatitis C virus
Zoidis G, Giannakopoulou E, Stevaert A, Frakolaki E, Myrianthopoulos V, Fytas G, Mavromara P, Mikros E. ·
Bartenshlager R Vassilakic N Naesens L
Med Chem Commun 2016, 7, 447-456
<http://dx.doi.org/10.1039/C5MD00439J>
93. The Natural Olive Constituent Oleuropein Induces Nutritional Cardioprotection in Normal and
Cholesterol-Fed Rabbits: Comparison with Preconditioning
Andreadou I, Benaki D, Efentakis P, Bibli SI, Milioni AI, Papachristodoulou A, Zoga A, Skaltsounis AL, Mikros E,
Iliodromitis EK.
Planta medica, 2015 81, 655-663.
<http://dx.doi.org/10.1055/s-0034-1383306>
94. Estrogenic activity of isoflavonoids from the stem bark of the tropical tree *Amphimas pterocarpoides*, a source
of traditional medicines
Tchoumtchoua J, Makropoulou M, Ateba SB, Boulaka A, Halabalaki M, Lambrinidis G, Meligova AK, Mbanya JC,
Mikros E, Skaltsounis AL, Mitsiou DJ, Njamen D, Alexis MN. ·
J Steroid Biochem Mol Biol. 2015, 158, 138-148
<http://dx.doi.org/10.1016/j.jsbmb.2015.12.015>
95. Exploring and exploiting the systemic effects of deregulated replication licensing
Petrakis TG, Komseli ES, Papaioannou M, Vougas K, Polyzos A, Myrianthopoulos V, Mikros E, Trougakos IP, Thanos
D, Branzei D, Townsend P, Gorgoulis VG. ·
Semin in Cancer Biol pii: S1044-579X(15)30003-1. 12/2015
<http://dx.doi.org/10.1016/j.semcancer.2015.12.002>
96. Structure of eukaryotic purine/H⁺ symporter UapA suggests a role for homodimerization in transport activity
Y Alguet, S Amillis, J Leung, G Lambrinidis, S Capaldi, N.J Scull, G Craven, S Iwata, A. Armstrong, E Mikros, G
Diallinas, A.D Cameron, Byrne, B.
Nature Communications, 2016
<http://dx.doi.org/10.1038/ncomms11336>
97. Tandem virtual screening targeting the SRA domain of UHRF1 identifies a novel chemical tool modulating
DNA methylation
V Myrianthopoulos, PF Cartron, Z Liutkevičiūtė, S. Klimašauskas, D. Matulis, C. Bronner, N. Martinet, E. Mikros,
European Journal of Medicinal Chemistry, 2016, 114, 390-396
<http://dx.doi.org/10.1002/mc.22270>
98. Screening of a composite library of clinically used drugs and well-characterized pharmacological compounds
for cystathionine β-synthase inhibition identifies benserazide as a drug potentially suitable for repurposing for the
experimental therapy of colon cancer
N. Druzhyna, B. Szczesny, G. Olah, K. Módis, A. Asimakopoulou, A. Pavlidou, P. Szoleczky, D. Gerö, K. Yanagi, G.
Törö, I. López-García, V. Myrianthopoulos, E. Mikros, J.R. Zatarain, C. Chao, A. Papapetropoulos, M.R. Hellmich, C.
Szabo
Pharmacological Research 2016, 113, 18-37
<http://dx.doi.org/10.1016/j.phrs.2016.08.016>
99. Heterocovariance Based Metabolomics as a Powerful Tool Accelerating Bioactive Natural Product
Identification
N Aligiannis M Halabalaki E Chaita, E Kouloura, A Argyropoulou, D Benaki, E Kalpoutzakis, A Angelis, K
Stathopoulou, S Antoniou M Sani, V Krauth, O Werz, B Schutz, H Schafer, M Spraul, E Mikros, LA. Skaltsounis
Chemistry Select 2016, 1, 2531 – 2535
<http://dx.doi.org/10.1002/slct.201600744>
100. Oleuropein is a Powerful Sensitizer of Doxorubicin-mediated Killing of Prostate Cancer Cells and Exerts Its
Action via Induction of Autophagy
A Papachristodoulou, M Tsoukala, D Benaki, S Kostidis, K Gioti, N Aligiannis, H Pratsinis, D Kletsas, A-L
Skaltsounis, E Mikros, R Tenta
Journal of Cancer Research and Treatment, 2016, 4, 61-68
<http://dx.doi.org/10.12691/jcrt-4-4-2>
101. Discovery and optimization of a selective ligand for the Switch/Sucrose Non-Fermenting-related
bromodomains of Polybromo protein-1 by the use of virtual screening and hydration analysis." V Myrianthopoulos, N
Gaboriaud-Kolar,; C Tallant,; M Hall, ; S Grigoriou,; P Brownlee,; O Fedorov, C Rogers,; D Heidenreich, M Wanior,
N Drosos, N Mexia, P Savitsky, T Bagratuni, E Kastritis, E Terpos, P Filippakopoulos, S Müller, A-L Skaltsounis, J
Downs, S Knapp, E Mikros,
J. Med. Chem., 2016, 59 8787–8803
<http://dx.doi.org/10.1021/acs.jmedchem.6b00355>
102. Design and synthesis of purine analogues as highly specific ligands for FcyB, a ubiquitous fungal nucleobase
transporter
Lougiakis, Nikolaos; Gavriil, Efthymios-Spyridon; Kairis, Markelos; Sioupouli, Georgia; Lambrinidis, George; Benaki,

Dimitra; Kryptou, Emilia; Mikros, Emmanuel; Marakos, Panagiotis; Pouli, Nicole;
Bioorganic & Medicinal Chemistry 2016, 24, 5941–5952
<http://dx.doi.org/10.1016/j.bmc.2016.09.055>

103. Natural-Based Indirubins Display Potent Cytotoxicity toward Wild-Type and T315I-Resistant Leukemia Cell Lines
Gaboriaud-Kolar, Nicolas; Myriantopoulos, Vasillios; Vougiannopoulou, Konstantina; Gerolymatos, Panagiotis; Horne, David A; Jove, Richard; Mikros, Emmanuel; Nam, Sangkil; Skaltsounis, Alexios-Leandros;
Journal of Natural Products in press
104. Cryptic purine transporters in *Aspergillus nidulans* reveal the role of specific residues in the evolution of specificity in the NCS1 family
Sioupouli, Georgia; Lambrinidis, George; Mikros, Emmanuel; Amillis, Sotiris; Diallinas, George;
Molecular Microbiology in press