

## CURRICULUM VITAE

### PERSONAL DETAILS

**Name:** Andrew Tsotinis  
**Date of Birth:** 03/03/1958  
**Place of Birth:** Athens, Greece  
**Nationality:** Greek  
**Home Address:** 28 Pontou St.  
Drosia, Athens 145 72  
Greece  
Tel. +30210 7274812

**Professor at the University  
of Athens - Faculty of Pharmacy - Department of  
Pharmaceutical Chemistry**

### EDUCATION

1984-1988 **Ph D in Synthetic Organic Chemistry.** University of London, U.K.  
1979-1983 **BS major in Chemistry.** The University of North Carolina at Charlotte,  
U.S.A.  
1976-1978 Advanced Technology Centre, Athens, Greece - Two "O" levels:  
Physics, English. Two "A" levels: Chemistry, Mathematics.  
1970-1976 14th High School, Athens, Greece High School Leaving Certificate.

### SCHOLARSHIPS

1985-1986 Franz Sondheimer Bursary  
Schilizzi Foundation Award  
1986-1987 Franz Sondheimer Bursary  
1994 NHRF/Royal Society Award  
1995 NHRF/Royal Society Award

### PROFESSIONAL AFFILIATIONS

Member, American Chemical Society.  
Member, Greek Chemical Society.  
Permanent member, Convocation of the University of London.

### PUBLICATIONS

- 1] Peter J. Garratt and **Andrew Tsotinis**  
"Alternative Syntheses and Diels-Alder Reactions of 2,3-Bis(trimethylsilyl)buta-1,3-Diene".  
*Tetrahedron Lett.*, **1986**, 27, 2761.
- 2] Peter J. Garratt and **Andrew Tsotinis**  
"(Z,Z)-2,3-Bis(trimethylsilyl)-1,4-dibromo- and 2,3-Bis(trimethylsilyl)-1,1,4,4-tetrabromobuta-1,3-Dienes.  
Synthesis and Diels-Alder Reactions".  
*Tetrahedron Lett.*, **1988**, 29, 1833.
- 3] **Andrew Tsotinis**  
"Synthetic studies on strained annelated cyclopropanes", Ph D Thesis, University of London (Supervisor: Prof. P. J. Garratt), **1988**, 338 pp.
- 4] Peter J. Garratt and **Andrew Tsotinis**  
"Preparation and reactions of trimethylsilylcyclopropenes. Synthesis of in-out tricyclic[n.3.2.0<sup>2,4</sup>] compounds,  
potential precursors to cyclopropaparacyclophanes".  
*J. Org. Chem.*, **1990**, 55, 84-88.
- 5] Peter J. Garratt, David Payne and **Andrew Tsotinis**  
"Battered Benzene and Twisted Ethene".  
*Pure & Appl. Chem.*, **1990**, 62, 525-530.
- 6] V. Fillipatos, R. Todoulou, **A. Tsotinis**, M. Efentakis and N. Choulis

- "KINET: A Program for Stability Studies of Pharmaceutical Products".  
*Pharmakeftiki*, **1992**, *5*, 41-45.
- 7] A. Papadaki-Valiraki, O. Todoulou, E. Fillipatos, **A. Tsotinis**, S. Ikeda and E. De Clercq "Synthesis and Antiviral Activity of Some New Benzofuran Derivatives".  
*Arzneim.-Forsch./Drug Res.*, **1993**, *43(II)*, Nr. 12, 1363-1366.
- 8] Theodora Siatra-Papastaikoudi, **Andrew Tsotinis** Ioanna Chinou and Christos Roussakis "Synthesis and Anticancer Activity of Novel Phenyl-Ring Substituted 4-Morpholino-1-Phenylthio-2-Butanones [Mannich Bases]".  
*Il Farmako*, **1994**, *49(3)*, 221-223.
- 9] Th. Siatra-Papastaikoudi, **A. Tsotinis**, C.P. Raptopoulou, C. Sambani and E. Thomou "Synthesis of new alkylamino-alkylthiosemicarbazones of 3-acetylindole and their effect on DNA synthesis and cell proliferation".  
*Eur. J. Med. Chem.*, **1995**, *30*, 107-114.
- 10] T. Calogeropoulou, M. Koufaki, **A. Tsotinis**, J. Balzarini, E. De Clercq and A. Makriyannis "Synthesis and anti-HIV evaluation of alkyl and alkoxyethyl phosphodiester AZT derivatives".  
*Antiviral Chemistry and Chemotherapy*, **1995**, *6*, 43-49.
- 11] P. J. Garratt, S. Travard, S. Vonhoff, **A. Tsotinis**, D. Sugden  
"Mapping the Melatonin Receptor. 4. Comparison of the Binding Affinities of a Series of substituted Phenylalkylamides".  
*J. Med. Chem.*, **1996**, *39*, 1797-1805.
- 12] A. Varvaresou, **A. Tsotinis**, A. Papadaki-Valiraki and Th. Siatra-Papastaikoudi  
"New Azathioxanthenes: Synthesis and Cytotoxicity".  
*Bioorg. Med. Chem. Lett.* **1996**, *6*, No.7, 861-864.
- 13] A. Varvaresou, **A. Tsotinis**, Th. Siatra-Papastaikoudi, A. Papadaki-Valiraki, D. E. Thurston, T. C. Jenkins and L. R. Kelland  
"Novel Imidazohioxanthenes: Synthesis, DNA Binding and Cytotoxicity".  
*Bioorg. Med. Chem. Lett.* **1996**, *6*, No.7, 865-870.
- 14] M. Koufaki, V. Polychroniou, T. Calogeropoulou, **A. Tsotinis**, M. Drees, H. H. Fiebig, S. LeClerc, H. R. Hendriks and A. Makriyannis  
"Alkyl and Alkoxyethyl Antineoplastic Phospholipids".  
*J. Med. Chem.*, **1996**, *39*, 2609-2614.
- 15] M. Koufaki, T. Calogeropoulou, T. Mavromoustakos, E. Theodoropoulou, **A. Tsotinis** and A. Makriyannis  
"Synthesis of <sup>2</sup>H-Labeled Alkoxyethyl Phosphodiester AZT Derivatives for Solid-State <sup>2</sup>H-NMR Studies".  
*J. Heterocyclic Chem.*, **1996**, *33*, 619-622.
- 16] **A. Tsotinis**, T. Calogeropoulou, M. Koufaki, A. Makriyannis, J. Balzarini, E. De Clercq  
"Synthesis and Antiretroviral Evaluation of New Alkoxy and Aryloxy Phosphate Derivatives of 3'-Azido-3'-deoxythymidine".  
*J. Med. Chem.*, **1996**, *39*, 3418-3422.
- 17] A. Varvaresou, **A. Tsotinis**, Th. Siatra-Papastaikoudi and T. Calogeropoulou  
"New Pyrazole-Annulated Azathioxanthenes as Potential Intercalators: Synthesis and Structure Elucidation".  
*J. Heterocyclic Chem.*, **1996**, *33*, 831-835.
- 18] A. Varvaresou, **A. Tsotinis**, A. Papadaki-Valiraki and Th. Siatra-Papastaikoudi  
"Synthesis and Structure Elucidation of New Cytotoxic Azathioxanthenes".  
*J. Heterocyclic Chem.*, **1996**, *33*, 917-921.
- 19] K. R. Fox, D. E. Thurston, A. Varvaresou, **A. Tsotinis** and Th. Siatra-Papastaikoudi  
"A Novel Series of DNA Triple Helix-Binding Ligands".  
*Biochem. Biophys. Res. Commun.* **1996**, *224*, 717-720.
- 20] **A. Tsotinis**, A. Varvaresou, T. Calogeropoulou, Th. Siatra-Papastaikoudi and A. Tyligada "Synthesis and Antimicrobial Evaluation of Indole containing Derivatives of 1,3,4-Thiadiazole, 1,2,4-Triazole and their open-chain counterparts".  
*Arzneim.-Forsch./Drug Res.* **1997**, *47 (I)*, 307-310.
- 21] Athanasia Varvaresou, Theodora Siatra-Papastaikoudi, **Andrew Tsotinis**, Anna Tsantili-Kakoulidou and Alexandre Vamvakides.  
"Synthesis, Lipophilicity and Biological Evaluation of Indole containing Derivatives of 1,3,4-Thiadiazole and 1,2,4-Triazole".  
*Il Farmako*, **1998**, *53*, 320-326.
- 22] **Tsotinis Andrew**, Kalogeropoulou Theodora, Roussakis Christos, Roussis Vassilios.  
"1-(2-Alkoxy-5-carboxyphenyl)- $\alpha,\beta$ -unsaturated ketones, their preparation and application in therapeutics".  
*PCT International Patent*, **1999**, WO 99/54278.
- 23] Rüdiger Faust, Peter J. Garratt, Rob Jones, Li-Kuan Yeh, **Andrew Tsotinis**, Maria Panoussopoulou, Theodora Calogeropoulou, Muy-Teck Teh, David Sugden.  
"Mapping the Melatonin Receptor. 6. Melatonin Agonists and Antagonists Derived from 6*H*-Isoindolo[2,1- $\alpha$ ]indoles, 5,6-Dihydroindolo[2,1- $\alpha$ ]isoquinolines and 6,7-Dihydro-5*H*-benzo[*c*]azepino[2,1- $\alpha$ ]indoles".

- J. Med. Chem.*, **2000**, *43*(6), 1050-1061.
- 24]** Athanasia Varvaresou, Kriton Iakovou, Evangelos Filippatos, Charikleia Souli, Theodora Calogeropoulou, Ioulia Ioannidou, Angeliki P. Kourounakis, Christophe Pannecouque, Myriam Witvrouw, Elizaveta Padalko, Johan Neyts, Erik De Clercq and **Andrew Tsotinis**.  
"Synthesis, Antiretroviral and Antioxidant Evaluation of a Series of New Benzo[*b*]furan Derivatives".  
*Arzneim.-Forsch./Drug Res.*, **2001**, *51*(2), 156-162.
- 25]** Demetris P. Papahatjis, Spyros Nikas, **Andrew Tsotinis**, Margarita Vlachou, and Alexandros Makriyannis.  
"A New Ring-Forming Methodology for the Synthesis of Conformationally Constrained Bioactive Molecules".  
*Chem. Lett.*, **2001**, *3*, 192-193.
- 26]** Carbonnelle D., Jacquot C., Lanco X., Le Dez G., Tomasoni C., Briand G., **Tsotinis A.**, Calogeropoulou T., Roussakis C.  
"Up-regulation of a novel mRNA (NY-CO-1) involved in the methyl 4-methoxy-3-(3-methyl-2-butenoyl) benzoate (VT1)-induced proliferation arrest of a non-small-cell lung carcinoma cell line (NSCLC-N6)".  
*Int. J. Cancer*, **2001**, *92*(3), 388-397.
- 27]** **Andrew Tsotinis**, Maria Panoussopoulou, Sachi Sivananthan and David Sugden  
"Synthesis of new Tricyclic Melatonergic Ligands".  
*Il Farmako*, **2001**, *56*, 725-729.
- 28]** Kriton Iakovou, Athanasia Varvaresou, Angeliki P. Kourounakis, Katherine Stead, David Sugden, **Andrew Tsotinis**.  
"Design, synthesis and biological evaluation of novel conformationally restrained melatonergic analogs".  
*J. Pharm. Pharmacol.*, **2002**, *54*, 147-156.
- 29]** **Andrew Tsotinis**, Margarita Vlachou, Andreas Eleutheriades, Effie Prinea, Darren Ebreo, Muy-Teck Teh and David Sugden  
"Synthesis of *N*1-Phenethyl Substituted Indole Derivatives as New Melatonergic Agonists and Antagonists".  
*Chem. Pharm. Bull.* **2002**, *50*, 31-39.
- 30]** Margarita Vlachou, **Andrew Tsotinis**, Lloyd R. Kelland and David E. Thurston  
"A New Ring-Forming Methodology for the Synthesis of Bioactive Pyrroloquinoline Derivatives".  
*Heterocycles*, **2002**, *57*, 129-133.
- 31]** Calogeropoulou Theodora, **Tsotinis Andrew**, Souli Charikleia, Makriyannis Alexandros  
"GABA<sub>A</sub> modulating neurosteroids".  
*PCT International Patent*, **2002**, WO 02/053577 A2.
- 32]** Margarita Vlachou, **Andrew Tsotinis**, Lloyd R. Kelland, David E. Thurston  
"An expeditious synthesis of cytotoxic pyrroloisoquinoline derivatives. Structure-activity comparative studies with isomeric pyrroloquinolines".  
*Eur. J. Pharm. Sci.*, **2002**, *17*, 139-143.
- 33]** **Andrew Tsotinis**, Andreas Eleutheriades, Katherine Hough and David Sugden  
"Design and synthesis of potent *N*1-substituted indole melatonin receptor agonists".  
*Chem. Commun.*, **2003**, 382-383.
- 34]** Avlonitis N., Lekka E., Detsi A., Koufaki M., Calogeropoulou T., Scoulica E., Siapi E., Kyrikou I., Mavromoustakos T., **Tsotinis A.**, Makriyannis A.  
"Design and synthesis of ring-bearing ether phospholipids possessing antileishmanial activity".  
*J. Med. Chem.*, **2003**, *46*, 755-767.
- 35]** **A. Tsotinis**, M. Panoussopoulou, K. Hough, D. Sugden  
"Synthesis and biological evaluation of new  $\beta,\beta'$ -disubstituted 6,7,8,9-tetrahydropyrido[1,2-*a*]indol-10-yl ethylamido melatonergic ligands".  
*Eur. J. Pharm. Sci.*, **2003**, *18*, 297-304.
- 36]** **Andrew Tsotinis**, Margarita Vlachou, Konstantinos Kiakos, John A. Hartley, and David E. Thurston.  
"Design and Synthesis of Two Cytotoxic Analogs of the Novel Pyrrolo[1',2':1,2][1,4]diazepin[7,6-*b*]indol-5(6*H*)-one Nucleus".  
*Chem. Lett.*, **2003**, *32*, 512-513.
- 37]** **Andrew Tsotinis**, Margarita Vlachou, Spyridon Zouroudis, Andras Jeney, Ferenc Timar, David E. Thurston and Christos Roussakis  
"A Facile Synthesis of C2-Substituted Pyrrolo[2,3-*f*]quinolines with Cytotoxic Activity".  
*Lett Drug Des Discov*, **2005**, *2*, 189-192.
- 38]** **Andrew Tsotinis**, Margarita Vlachou, Andreas Eleutheriades, Peter J. Garratt, Ashley J. Ibbett, Yiu-Fai Ng, Christophe Pannecouque, Myriam Witvrouw and Erik De Clercq.  
"Aromatic Polycationic Molecules with Restricted Conformations: An Alternative Approach to Antihherpes Agents".  
*Lett Drug Des Discov*, **2005**, *2*, 424-427.
- 39]** Souli C, Avlonitis N, Calogeropoulou T, **Tsotinis A**, Maksay G, Biro T, Politi A, Mavromoustakos T, Makriyannis A, Reis H, Papadopoulos M.  
"Novel 17 $\beta$ -substituted conformationally constrained neurosteroids that modulate GABA<sub>A</sub> receptors".  
*J. Med. Chem.*, **2005**, *48*, 5203-14.

- 40]** Anastasia Detsi, Vassilios Roussis, **Andrew Tsotinis**, Christos Roussakis and Theodora Calogeropoulou. "A concise approach to benzoic acid derivatives bearing an  $\alpha,\beta$ -unsaturated ketone substituent: Synthesis of methyl tabogonate". *Synlett*, **2005**, 3131-3135.
- 41]** **Andrew Tsotinis**, Maria Gerasimopoulou, Margarita Vlachou, Dimitri Moreau and Christos Roussakis. "C5,C6-Disubstituted 1*H*-indole-2-carboxamides: Synthesis and cytotoxic activity in the human non-small lung cancer cell line NSCLC-N16-L16". *Lett Drug Des Discov*, **2006**, *3*, 14-16.
- 42]** **Tsotinis A**, Vlachou M, Papahatjis DP, Calogeropoulou T, Nikas SP, Garratt PJ, Piccio V, Vonhoff S, Davidson K, Teh M-T, Sugden, D. "Mapping the Melatonin Receptor. 7. Subtype Selective Ligands Based on  $\beta$ -Substituted *N*-Acyl-5-methoxytryptamines and  $\beta$ -Substituted *N*-Acyl-5-methoxy-1-methyltryptamines". *J. Med. Chem.* **2006**, *49*, 3509-3519.
- 43]** Calogeropoulou Theodora, **Tsotinis Andrew**, Souli Charikleia, Makriyannis Alexandros "GABA<sub>A</sub> modulating neurosteroids". *United States Patent*, **2006**, 07064116.
- 44]** **A. Tsotinis**, M. Vlachou, M. Gerasimopoulou, A. Eikosipentaki, C. Ioannidis, A. Klouvidaki, P. A. Afroudakis, D. Moreau, C. Roussakis "Symmetrical derivatives of C2-substituted pyrrolo[2,3-*f*]quinolines: Synthesis, cytotoxicity and drug delivery studies". *Lett. Drug Des. Discov.*, **2007**, *4*, 87-91.
- 45]** **A. Tsotinis**, A. Eleutheriades, K. A. Hough, K. Davidson, D. Sugden "Design, synthesis and melatonergic potency of new *N*-acyl 8,9-dihydro-4-methoxy-7*H*-2-benzo[*de*]quinolinalkanamines". *Bioorg. Chem.*, **2007**, *35*, 189-204.
- 46]** **A. Tsotinis**, M. Vlachou, D. P. Papahatjis, S. P. Nikas and D. Sugden "An efficient synthesis of simple  $\beta,\beta'$ -cyclobisalkylated melatonergic phenylalkylamides". *Lett. Org. Chem.*, **2007**, *4*, 92-95.
- 47]** **A. Tsotinis**, M. Panoussopoulou, A. Eleutheriades, K. Davidson, D. Sugden "Design, synthesis and melatonergic activity of new unsubstituted and  $\beta,\beta'$ -difunctionalised 2,3-dihydro-1*H*-pyrrolo[3,2,1-*ij*]quinolin-6-alkanamides". *Eur. J. Med. Chem.*, **2007**, *42*, 1004-1013.
- 48]** **A. Tsotinis**, S. Zouroudis, D. Moreau and C. Roussakis "C4-Substituted Isoquinolines: Synthesis and Cytotoxic Action". *Open Med. Chem. J.*, **2007**, *1*, 1-3.
- 49]** D.P. Papahatjis, V.R. Nahmias, S.P. Nikas, T. Andreou, S.O. Alapafuja, **A. Tsotinis**, J. Guo, P. Fan, A. Makriyannis. "C1'-Cycloalkyl Side Chain Pharmacophore in Tetrahydrocannabinols. C1'-Cycloalkyl Side Chain Pharmacophore in Tetrahydrocannabinols". *J. Med. Chem.*, **2007**, *50*, 4048-4060.
- 50]** P. J. Garratt and **A. Tsotinis** "Synthesis of Compounds as Melatonin Agonists and Antagonists". *Mini Rev. Med. Chem.*, **2007**, *7*, 1075-1088.
- 51]** **A. Tsotinis**, A. Eleutheriades, K. Davidson, D. Sugden "Design and Synthesis of New *N*1 and C3-Substituted 4-Fluoroindolic Melatonergics". *Curr. Drug Discov. Technol.*, **2007**, *4*, 198-207.
- 52]** **A. Tsotinis**, J. Gourgourinis, A. Eleutheriades, K. Davidson, D. Sugden "Design and synthesis of new *N*-OMe fluoro-indole melatonergics". *Med. Chem.*, **2007**, *3*, 561-571.
- 53]** **A. Tsotinis**, A. Eleutheriades, L. Di Bari and G. Pescitelli "A New, Stereoselective, Ring Forming Reaction of 1,2-Ethanedithiol with *N*-Acylated Indoles". *J. Org. Chem.*, **2007**, *72*, 8928-8931.
- 54]** **A. Tsotinis**, P.A. Afroudakis, K. Davidson, A. Prashar and D. Sugden "Design, synthesis and melatonergic activity of new azido- and isothiocyanato-substituted indoles". *J. Med. Chem.*, **2007**, *50*, 6436-6440.
- 55]** T. Fotopoulou, E.K. Iliodromitis, M. Koufaki, **A. Tsotinis**, A. Zoga, A. Pyriochou, A. Papapetropoulos, D.Th. Kremastinos, I. Andreadou. "Novel pharmacological compounds as triggers of preconditioning in vivo". *Eur. J. Drug Metabolism Pharmacokin.*, **2007**, *32*, 45-46 (090).
- 56]** I. Andreadou, T. Fotopoulou, M. Koufaki, **A. Tsotinis**, A. Zoga, V. Gizas, E. Iliodromitis, D. T. Kremastinos "Novel pharmacological compounds as triggers of ischemic preconditioning in vivo". *J. Mol. Cell. Cardiol.*, **2007**, *42*, S178

- 57] I. Papanastasiou, G. B. Foscolos, **A. Tsotinis**  
 "An intriguing, regioselective synthesis of novel 2-(1-adamantylmethyl)tetrahydropyridines".  
*Lett. Org. Chem.*, **2008**, *5*, 57-59.
- 58] I. Papanastasiou, **A. Tsotinis**, N. Kolocouris, S. Radhika Prathalingam, J. M. Kelly  
 "Design, synthesis and trypanocidal activity of new aminoadamantane derivatives".  
*J. Med. Chem.*, **2008**, *51*, 1496-1500.
- 59] T. Fotopoulou, E. K. Iliodromitis, M. Koufaki, **A. Tsotinis**, A. Zoga, V. Gizas, A. Pyriochou, A. Papapetropoulos, I. Andreadou, D. Th. Kremastinos  
 "Design and synthesis of nitrate esters of aromatic heterocyclic compounds as pharmacological preconditioning agents".  
*Bioorg. Med. Chem.*, **2008**, *16*, 4523-4531.
- 60] I. Papanastasiou, G. B. Foscolos, **A. Tsotinis**, J. Oláh, J. Ovádi, S. Radhika Prathalingam, and J. M. Kelly  
 "Conformationally constrained adamantaneoxazolines of pharmacological interest".  
*Heterocycles*, **2008**, *75*, 2043-2061.
- 61] Andrew Tsotinis and Pandelis A. Afroudakis  
 "Melatonin receptor antagonist luzindole: A facile new synthesis".  
*Lett. Org. Chem.*, **2008**, *5*, 507-509.
- 62] I. Papanastasiou, **A. Tsotinis**, G. B. Foscolos, S. Radhika Prathalingam, J. M. Kelly  
 "Synthesis of conformationally constrained adamantane imidazolines with trypanocidal activity".  
*J. Heterocyclic Chem.*, **2008**, *45*, 1401-1406.
- 63] G. Zoidis, **A. Tsotinis**, N. Kolocouris, J. M. Kelly, S. Radhika Prathalingam, L. Naesens and E. De Clercq  
 "Design and Synthesis of Bioactive 1,2-Annulated Adamantane Derivatives".  
*Org. Biomol. Chem.*, **2008**, *6*, 3177-3185.
- 64] Andreadou I, Fotopoulou T, Koufaki M, **Tsotinis A**, Zoga A, Pyriochou A, Farmakis D, Iliodromitis EK, Kremastinos DT  
 "Novel pharmacological compounds as triggers of preconditioning in vivo".  
*J. Am. Coll. Cardiol.*, **2008**, *51*, A183.
- 65] Andreadou I, Iliodromitis E. K., Farmakis D., **Tsotinis A.**, Kremastinos D.Th.  
 "Alternative pharmacological interventions that limit myocardial infarction".  
*Curr. Med. Chem.*, **2008**, *15*, 3204-3213.
- 66] Ioannis Papanastasiou, **Andrew Tsotinis**, Grigoris Zoidis, Nicolas Kolocouris, S. Radhika Prathalingam, John M. Kelly  
 "Design and Synthesis of *Trypanosoma brucei* Active 1-Alkyloxy and 1-Benzyloxyadamantano 2-Guanylhydrazones".  
*ChemMedChem.*, **2009**, *4*, 1059-1062.

### Table of Publications

Journal	Number of publication	Impact Factor	Personal Impact Factor (PIF)	Citations
<i>Tetrahedron Lett.</i>	1, 2	2.538	5.076	18, 6
<i>J. Org. Chem.</i>	4, 53*	3.952	7.904	3, 1
<i>Pure &amp; Appl. Chem.</i>	5	2.237	2.237	3
<i>Pharmakeftiki</i>	6	-	-	0
<i>Arzneim.-Forsch./Drug Res.</i>	7, 20*, 24*	0.713	2.139	5, 34, 2
<i>Il Farmako</i>	8*, 21, 27*	0.539 <sup>†</sup>	1.617	2, 45, 7
<i>Eur. J. Med. Chem.</i>	9, 47*	2.882	5.764	9, 3
<i>Antivir. Chem. Chemoth.</i>	10	2.390 <sup>‡</sup>	2.390	12
<i>J. Med. Chem.</i>	11, 14, 16, 23, 34, 39, 42*, 49, 53, 54*, 58	4.898	53.878	54, 13, 10, 71, 21, 10, 19, 5, 2, 9
<i>Bioorg. Med. Chem. Lett.</i>	12, 13	2.531	5.062	8, 9
<i>J. Heterocyclic Chem.</i>	15, 17*, 18, 62	0.899	3.596	9, 8, 1, 0

<i>Biochem. Biophys. Res. Commun.</i>	19	2.648	2.648	11
<i>Chem. Lett.</i>	25, 36*	1.478	2.956	10, 2
<i>Int. J. Cancer</i>	26	4.734	4.734	8
<i>J. Pharm. Pharmacol.</i>	28*	1.847	1.847	7
<i>Chem. Pharm. Bull.</i>	29*	1.623	1.623	3
<i>Heterocycles</i>	30*, 60	0.980	1.960	7, 0
<i>Eur. J. Pharm. Sci.</i>	32*, 35*	3.650	7.300	4, 7
<i>Chem. Commun.</i>	33*	5.340	5.340	6
<i>PCT International Patent, 1999,</i> <i>WO 99/54278</i>	22*	-	-	0
<i>PhD thesis</i>	3*	-	-	0
<i>PCT International Patent, 2002,</i> <i>WO 02/053577 A2</i>	31*	-	-	2

†Impact Factor 2005: Title discontinued

‡Impact Factor 2002

\*Corresponding author

<i>Synlett</i>	40	2.659	2.659	1
<i>Lett. Drug Des. Discov.</i>	37*, 38*, 41*, 44*	0.786	3.144	0, 0, 6, 0
<i>Bioorg. Chem.</i>	45*	1.958	1.958	2
<i>Lett. Org. Chem.</i>	46*, 57, 61*	0.915	2.745	2, 0, 2
<i>Open Med. Chem. J</i>	48*	- †	-	0
<i>Mini Rev. Med. Chem.</i>	50*	3.132	3.132	6
<i>Curr. Drug Discov. Technol.</i>	51*	- ‡	-	2
<i>Med. Chem.</i>	58*	- †	-	2
<i>Bioorg. Med. Chem.</i>	59	3.075	3.075	3
<i>Org. Biomol. Chem.</i>	63	3.550	3.550	9
<i>J. Am. Coll. Cardiol.</i>	64	11.438	11.438	0
<i>Curr. Med. Chem.</i>	65	4.823	4.823	4
<i>ChemMedChem</i>	66	3.150	3.150	1
<b>TOTAL</b>	<b>63 publications to Journals + 2 as Patents + Ph D thesis = 66</b>		<b>157.745</b>	<b>533</b>
<b>h-index = 11</b>			<b>Mean PIF = 2.504</b>	<b>Average Citations per Item = 8.2 (Ph D excluded)</b>

†New, Peer-Reviewed, Online Περιοδικό / Indexed in: *Chemical Abstracts, Google, Google Scholar*

‡New, Peer-Reviewed Περιοδικό / Indexed in: *Chemical Abstracts, MEDLINE, Google, Google Scholar*

†New, Peer-Reviewed Περιοδικό / Indexed in: *Chemical Abstracts, Science Citation Index Expanded, Journal Citation Reports/Science Edition, EMBASE, Scopus, MEDLINE, Google, Google Scholar*

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## PARTICIPATIONS TO INTERNATIONAL CONFERENCES & SYMPOSIUMS

- 1] 7<sup>th</sup> Colloquium of the European Pineal Society Meeting (EPS-96), Sitges, Spain - March 1996.  
P. J. Garratt, S. Travard, S. Vonhoff, **A. Tsotinis** and David Sugden.  
*Comparison of the Binding Affinities of a Series of Substituted Phenylalkylamides at the Chicken Brain Melatonin Receptor.*  
(Abstracts of the Colloquium, **1996**, P90)
- 2] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Maastricht, The Netherlands - September 1996.  
**Tsotinis, A.**, Garratt, P. J., Travard, S., Vonhoff, S., Sugden, D.  
*Mapping the Melatonin Receptor. Comparison of the Binding Affinities of a Number of Suitably Substituted Phenylalkylamides.*  
(Abstracts of the Symposium, **1996**, P-2.37)
- 3] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Maastricht, The Netherlands - September 1996.  
Varvaresou A., **Tsotinis A.**, Siatra-Papastaikoudi Th., Papadaki-Valiraki A., Thurston D. E., Jenkins T. C. and Kelland L. R.  
*Synthesis of new cytotoxic imidazothioxanthenes and DNA binding studies.*  
(Abstracts of the Symposium, **1996**, P-4.02)
- 4] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Maastricht, The Netherlands - September 1996.  
Koufaki, M., Calogeropoulou, T., **Tsotinis, A.**, Balzarini, J., De Clercq, E., Makriyannis, A.  
*Alkoxy and Aryloxy Phosphodiester Derivatives of AZT.*  
(Abstracts of the Symposium, **1996**, P-8.09)
- 5] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Maastricht, The Netherlands - September 1996.  
Koufaki, M., Polychroniou, V., Calogeropoulou, T., **Tsotinis, A.**, Drees, M., Fiebig, H. H., LeClerc, S., Hendriks, H. R., Mavromoustakos, T., Theodoropoulou, E., Makriyannis, A.  
*Alkyl and Alkoxyethyl Antineoplastic Phospholipids. Synthesis, Biological Activity and their Interactions with Membranes.*  
(Abstracts of the Symposium, **1996**, P-1.29)
- 6] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Maastricht, The Netherlands - September 1996.  
Calogeropoulou, T., Koufaki, M., Polychroniou, V., **Tsotinis, A.**, Sekeris, C., Makriyannis, A.  
*Synthesis and Biological Evaluation of Phosphotriester Analogs of trans-4-hydroxytamoxifen.*  
(Abstracts of the Symposium, **1996**, P-1.05)
- 7] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Maastricht, The Netherlands - September 1996.  
Calogeropoulou, T., **Tsotinis, A.**, Souli, C., Hill, W. A., Joseph, T., Makriyannis, A.  
*Novel Neurosteroid Analogs and their Interactions with GABA<sub>A</sub> Receptors.*  
(Abstracts of the Symposium, **1996**, P-6.09)
- 8] 12<sup>th</sup> International Conference on Organic Synthesis, Venezia, Italy, June 28-July 2, 1998.  
David Sugden, Muy-Teck Teh, Peter J. Garratt, Rob Jones, Li-Kuan Yeh, **Andrew Tsotinis**, Maria Panoussopoulou, Theodora Calogeropoulou.  
*Mapping the Melatonin Receptor. Novel Selective MeL<sub>1</sub> Receptor Ligands based on Tetracyclic Analogues with Annelated Indole Moiety.*  
(Abstracts of the Symposium, **1998**, P D50, p492).
- 9] XIV<sup>th</sup> International Symposium on Medicinal Chemistry, Edinburgh, Scotland, UK - September 1998.  
Calogeropoulou T., **Tsotinis A.**, Souli C., Makriyannis A., Joseph T.  
*Synthesis and Agonistic Activity of CABA<sub>A</sub> Interacting Neurosteroids.*  
(Abstracts of the Symposium, **1998**, P.79).
- 10] The 8<sup>th</sup> Cyprus Conference on New Methods in Drug Research, Limassol, Cyprus – April 1999.  
**A. Tsotinis**, M. Panoussopoulou, P. J. Garratt, R. Jones, L-K. Yeh, T. Calogeropoulou, D. Sugden.  
*Novel Conformationally Restrained Melatonergic Compounds: Synthesis and Biological Activity.*  
(Abstracts of the Conference, **1999**, p64).
- 11] The 8<sup>th</sup> Cyprus Conference on New Methods in Drug Research, Limassol, Cyprus – April 1999.  
Koufaki M., Calogeropoulou T., Detsi A., Polychroniou V., **Tsotinis A.**, Hendriks H. R., Dherbomez M., El Kihel L., Letourneux Y., Makriyannis A.  
*Bioactive Ether Lipids: Synthesis and Biological Activity.*  
(Abstracts of the Conference, **1999**, p50).
- 12] 8<sup>th</sup> Meeting of the European Pineal Society, Tours-France July 1999.  
**Andrew Tsotinis**, Peter J. Garratt, Margarita Vlachou, Andreas Eleutheriades, Muy-Teck Teh and David Sugden.  
*5,6-dihydroindolo[2,1-a]isoquinolines and 6,7-dihydro-5H-benzo[c]azepino[2,1-a]indoles: New tetracyclic melatonin analogs with agonistic and antagonistic activity.*  
(Abstracts of the Society, **1999**, p118).
- 13] 17<sup>th</sup> International Congress of Heterocyclic Chemistry, Vienna-Austria August 1999.  
**Andrew Tsotinis**, Margarita Vlachou, Andreas Eleutheriades, Peter J Garratt, Muy-Teck Teh and David Sugden.  
*A New Class of Potent Conformationally Restrained Indole Melatonin Analogs.*  
(Abstracts of the Congress, **1999**, PO- 580, p S-5).

- 14] 8<sup>th</sup> Belgian Organic Synthesis Symposium, Gent-Belgium, July 2000.  
Demetris P. Papahatjis, Spyros Nikas, **Andrew Tsotinis**, Margarita Vlachou and Alexandros Makriyannis  
*Cyclobisalkylated Conformationally Constrained Bioactive Molecules: A New Ring-Forming Methodology*  
(Abstracts of the Symposium, 2000, B-68, p. 160).
- 15] XVI<sup>th</sup> International Symposium on Medicinal Chemistry, Bologna-Italy, September 2000.  
Eleutheriades, A.; Vlachou, M.; Panoussopoulou, M.; **Tsotinis, A.**; Teh, M.-T.; Sugden, D.  
*New Conformationally Restrained Tricyclic and Tetracyclic Melatonin Analogs: Design, Synthesis and Biological Evaluation*  
(Abstracts of the Symposium, 2000, PB-65, p. 341).
- 16] The 12<sup>th</sup> European Symposium on Organic Chemistry, Groningen-The Netherlands, July 2001.  
Margarita Vlachou and **Andrew Tsotinis**.  
*An Alternative Approach towards the Synthesis of Cytotoxic Pyrroloquinoline Derivatives*  
(Abstracts of the Symposium, 2001, P2-59).
- 17] COST ACTION D13 WORKSHOP "New Molecules towards Human Health Care" Firenze-Italy, April 2002.  
Avlonitis N, Lekka E, Detsi A, Koufaki M, Calogeropoulou T, Scoulica E, Siapi E, Kyrikou I, Mavromoustakos T & **Tsotinis A.**  
*Design and synthesis of antileishmanial ether phospholipids.*  
(Abstracts of the Workshop, 2002, P01)
- 18] 9<sup>th</sup> Belgian Organic Synthesis Symposium, Namur-Belgium, July 2002.  
**Andrew Tsotinis** and Margarita Vlachou.  
*Design and synthesis of new tetracyclic pyrrolo[1',2':1,2][1,4]diazepin[7,6-b]indol-5(6H)-ones as potential DNA-interactive agents.*  
(Abstracts of the Symposium, 2002, TH 065)
- 19] XVII<sup>th</sup> International Symposium on Medicinal Chemistry, Barcelona-Spain, September 2002.  
Calogeropoulou T., Koufaki M., Avlonitis N., Lekka E., Detsi A., Scoulica E., Papazafiri P., Siapi E., Kyrikou I., Mavromoustakos T., **Tsotinis A.**, Makriyannis A.  
*Design and synthesis of novel ether phospholipids embodying cyclic moieties. Comparative study of their anticancer and antileishmanial activity.*  
(Abstracts of the Symposium, 2002, P162)
- 20] XVII<sup>th</sup> International Symposium on Medicinal Chemistry, Barcelona-Spain, September 2002.  
Andreas Eleutheriades, **Andrew Tsotinis** and David Sugden.  
*N-[4-Methoxy-8,9-dihydro-7H-1-aza-phenalen-2-yl]alkyl]alkanamides: New analogs of the hormone melatonin*  
(Abstracts of the Symposium, 2002, P509)
- 21] International Symposium on Advances in Synthetic, Combinatorial and Medicinal Chemistry, ASCMC Moscow-Russia 04, May 2004.  
**Andrew Tsotinis**, Andreas Eleutheriades, John Gourgourinis, Margarita Vlachou and David Sugden.  
*Design and synthesis of new N1-OMe substituted indole melatoninergic analogs*  
(Abstracts of the Symposium, 2004, P187)
- 22] International Symposium on Chemistry, Biology & Medicine, CBM 06, Paphos-Cyprus, 28, May 2006.  
**Andrew Tsotinis**, Andreas Eleutheriades, David Sugden  
*Design and Synthesis of Melatoninergic Analogs of the Novel 5-(Acetamidomethyl)-9-x-10-y-2,3,11,11<sup>a</sup>-tetrahydro-5H-1,5,3-dithiazepino[3,2-a]indol-5-ol Nucleus*  
(Abstracts of the Symposium, 2006, P103)
- 23] XIX World Congress of the ISHR, Bologna, Italy 22-25 June 2007.  
Ioanna Andreadou, Theano Fotopoulou, Maria Koufaki, **Andrew Tsotinis**, Anastasia Zoga, Vassilis Gizas, Efstathios Iliodromitis, Dimitrios Th. Kremastinos.  
*Novel pharmacological compounds as triggers of ischemic preconditioning in vivo*  
(Abstracts of the Symposium, 2007).
- 24] 8<sup>th</sup> Tetrahedron Symposium: Challenges in Organic Chemistry, Berlin, Germany 26-29 June 2007.  
E. Koini, N. Avlonitis, M. Alexis, F. Nikoloudaki, **A. Tsotinis**, T. Calogeropoulou.  
*Synthesis and SAR study of 1,4-benzoxazine analogues as potent neuroprotective agents*  
(Abstracts of the Symposium, 2007, P3.105).
- 25] 5<sup>th</sup> International Symposium on Pharmaceutical Chemistry, September 2007, Istanbul, Turkey.  
Vassiliki Belekou, **Andrew Tsotinis** and David Sugden.  
*C2-Substituted indole alkylamides: Design, synthesis, melatoninergic potency*  
(Abstracts of the Symposium, 2007, p58).
- 26] 5<sup>th</sup> International Symposium on Pharmaceutical Chemistry, September 2007, Istanbul, Turkey.  
Anna Klouvidaki, **Andrew Tsotinis**, Dimitri Moreau and Christos Roussakis.  
*C2-Substituted quinoline alkylamines and carboxamides: Design, synthesis, cytotoxic potency*  
(Abstracts of the Symposium, 2007, p136).
- 27] EFMC-ISMIC XXth International Symposium on Medicinal Chemistry, August 31-September 4, 2008, Vienna, Austria  
**Andrew Tsotinis**, Vassiliki Belekou, David Sugden.



*C-2- $\alpha$ C SUBSTITUTED INDOLE ALKYLAMIDES: DESIGN, SYNTHESIS, MELATONINERGIC POTENCY*

(Abstracts of the Symposium, 2008, to be issued).

**28] EFMC-ISMIC XXth International Symposium on Medicinal Chemistry, August 31-September 4, 2008, Vienna, Austria**  
**Andrew Tsotinis, Anna Klouvidaki, Gregory Sivolapenko, Efstathia Giannopoulou, Katerina Kassela, Spiros Karathanos, Haralambos Kalofonos, Christos Roussakis**

*INDOLIC AND QUINOLINIC C2-CARBOXAMIDES: DESIGN, SYNTHESIS, CYTOTOXIC AND CYTOSTATIC POTENCY*

(Abstracts of the Symposium, 2008, to be issued).

**SUPERVISION OF MSc DISSERTATIONS, Ph D THESES AND POSTDOCTORAL RESEARCH WORK**

- 16 MSc dissertations
- 10 Ph D theses
- 1 Postdoctoral Fellow

**RESEARCH INTERESTS**

Development of new synthetic methods. Design and synthesis of organic molecules with pharmacological activity [antineoplastic, antiviral, antibacterial and Central Nervous System (CNS)].

Structural modification of bioactive natural products (e.g. melatonin) and their derivatives aiming at the improvement of their activity.

**WORK EXPERIENCE AND POSTGRADUATE TRAINING**

2009-	University of Athens, Faculty of Pharmacy: Professor of Pharmaceutical Chemistry.
2003-2009	University of Athens, Faculty of Pharmacy: Associate Professor of Pharmaceutical Chemistry.
1996-2003	University of Athens, Department of Pharmacy: Assistant Professor of Pharmaceutical Chemistry.
1993-1996	University of Athens, Department of Pharmacy: Lecturer of Pharmaceutical Chemistry.
1992-1993	National Hellenic Research Foundation, Athens, GR., Institute of Organic and Pharmaceutical Chemistry: Research Associate.
1991-1992	VIOCHROM S.A., Aniline Dyestuff Industry, Athens-Greece., Research & Development Dept.
1990-1991	i) Southeastern College, Athens-Greece., Dept. of Natural Sciences and Mathematics. ii) School of Assistants in Medical Professions (Σ.Β.Ι.Ε.), Athens-Greece., Dept. of Chemistry.
1989-1990	University of Athens, Dept. of Pharmacy: Scientific Consultant.
1987-1988	University College London, U.K: Honorary Research Assistant
1985-1987	University College London, U.K: Research Assistant.

**Reviewer of Submitted Articles**

1. Assessor of manuscripts to submitted to the *Journal of Pharmacy and Pharmacology*.
2. Assessor of manuscripts to submitted to *Medical Science Monitor (MSM)*.
3. Assessor of manuscripts to submitted to the *European Journal of Medicinal Chemistry*.
4. Assessor of manuscripts to submitted to the *Journal of Medicinal Chemistry*.
5. Assessor of manuscripts to submitted to the *Journal of Organic Chemistry*.
6. Assessor of manuscripts to submitted to *Tetrahedron Letters*.
7. Assessor of manuscripts to submitted to *Letters in Organic Chemistry*.
8. Assessor of manuscripts to submitted to *Letters in Drug Design and Discovery*.
9. Guest Editor of the journal *Current Organic Chemistry*.

**Evaluator of Research Programmes and Files of Drug-Candidates**

1. Evaluator of research programmes submitted to GSRT (YPER, PENED, etc).

2. Evaluator of research programmes submitted to the Research Promotion Foundation (RPF) of Cyprus (PENEK, Bilateral, etc).
3. Evaluator of research programmes submitted to the State Scholarships Foundation (IKY), Greece.
4. Evaluator of Module 2.3 of the anticancer drug hydroxycarbamide and candidate for anti-Sickle Cell Syndrome treatment (Siklos<sup>®</sup>) - submission to the European Medicines Agency (EMA), January 5, 2006.

### **COMPETITIVE RESEARCH PROGRAMMES**

- 1993-1995**                    **Scientific partner** in the research programme “Synthesis and Biological Activity of New Derivatives of Tamoxifen” of the Greek Ministry of Health (KESY). Budget: 2.000.000 drachmas.
- 1995-1998**                    **Scientific partner** in the research programme YPER-148 (Division 2.1) entitled “New Anxiolytic and Spasmolytic Neurosteroids”. Budget: 13.000.000 drachmas.
- 1995-1998**                    **Scientific partner** in the research programme entitled “Network of Collaboration of Laboratories and Research Units & Development of Natural Products” of GSRT (Module 4, Human Resources, Action 4.2). Budget 12.000.000 drachmas.
- 1996-1998**                    **Scientific partner** in the research programme PENED 1995 (A/A 80, Division 2.1.) entitled “New Derivatives of Indole with Antimicrobial, Antifungal and CNS Activity”. Budget: 10.000.000 drachmas.
- 1996-1998**                    **Principal Investigator** of the Greek team in the Joint Research Programme 1996, University of Athens - British Council entitled: “Mapping the Melatonin Receptor: The Design of New Agonists and Antagonists”. Budget: 2.500.000 drachmas.
- 1999-2001**                    **Scientific partner** in the research programme PENED 1999 entitled “New high sensitivity liposomal immunological methods: New fluorescence techniques for the qualitative/quantitative determination of female steroid hormones and the anesthetic drug remifentanil in biological fluids”. Budget: 45.000.000 drachmas.
- 1999-2001**                    **Principal Investigator** of the Greek team in the Greek – Czech Joint Research & Technology Programme 1999, entitled: “Synthesis of new melatonergic derivatives specific for the melatonin receptor subtypes and their pharmacological characterization”. Budget: 3.727.500 drachmas.
- 2002-2004**                    **Principal Investigator** of the research programme “New melatonin agonists and antagonists as immune system enhancers” of the Greek Ministry of Health (KESY). Budget: 7336.80 €.
- 2003-2005**                    **Principal Investigator** of the Greek team in the Greek – Hungarian Joint Research & Technology Programme 2001, entitled “New melatonergic derivatives: Synthesis and Study of their Interaction with Calmodulin”. Budget: 12075 €.
- 2003-2005**                    **Principal Investigator** of the Greek team in the Greek – Hungarian Joint Research & Technology Programme 2001, entitled “Synthesis and Cytotoxicity of new Pyrroloquinoline Derivatives”. Budget: 12075 €.
- 2005-2007**                    **Principal Investigator** of the research programme **PYTHAGORAS II – Support of the Greek Universities’ Research Teams (Action 2.2.3.6)**, entitled: “Synthesis and controlled release studies of novel indole melatonergics from solid pharmaceutical formulations”. Budget: 37000 €.