

*Faculty of Pharmacy*  
*University of Catania*

***Publications – Year 2007***

- 1. Effect of hyaluronic acid and polysaccharides from *Opuntia ficus indica* (L.) cladodes on the metabolism of human chondrocyte cultures**

*A.M. Panico, V. Cardile, F. Garufi, C. Puglia, F. Bonina, S. Ronsisvalle*

*JOURNAL OF ETHNOPHARMACOLOGY 111 (2007) 315–321*

- 2. Adsorption of salicylic acid on bentonite and kaolin and release experiments**

*F.P. Bonina, M.L. Giannossi, L. Medici, C. Puglia, V. Summa, F. Tateo*

*APPLIED CLAY SCIENCE 36 (2007) 77–85*

- 3. Synthesis, Physicochemical Properties and In Vitro Permeation Studies of New Ketorolac Ester Derivatives**

*Carmelo Puglia, Rosanna Filosa, Antonella Peduto, Paolo de Caprariis, Gianpiero Boatto, Maria Nieddu, Natala Alfredo Santagati and Francesco Bonina*

*CURRENT DRUG DELIVERY, 2007, 4, 205-210*

- 4. Proteasome Inhibitors Synergize with Tumor Necrosis Factor-Related Apoptosis-Induced Ligand to Induce Anaplastic Thyroid Carcinoma Cell Death**

*Concetta Conticello, Luana Adamo, Raffaella Giuffrida, Luisa Vicari, Ann Zeuner, Adriana Eramo, Gabriele Anastasi, Lorenzo Memeo, Dario Giuffrida, Gioacchin Iannolo, Massimo Gulisano, and Ruggero De Maria*

*THE JOURNAL OF CLINICAL ENDOCRINOLOGY & METABOLISM 2007 - 92(5):1938–1942*

**5. Optimization of HAART with genetic algorithms and agent-based models of HIV infection**

*F. Castiglione, F. Pappalardo, M. Bernaschi and S. Motta*

*BIOINFORMATICS VOL. 23 NO. 24 2007, PAGES 3350–3355*

**6. Pharmacological Induction of Heme Oxygenase-1 Inhibits iNOS and Oxidative Stress in Renal Ischemia-Reperfusion Injury**

*G. Li Volti, V. Sorrenti, P. Murabito, F. Galvano, M. Veroux, A. Gullo, R. Acquaviva, A. Stacchiotti, F. Bonomini, L. Vanella, and C. Di Giacomo*

*TRANSPLANTATION PROCEEDINGS, 39, 2986–2991 (2007)*

**7. Expression of Pannexin2 Protein In Healthy And Ischemized Brain Of Adult Rats**

*Zappalà, G. Li Volti, F. Serapide, R. Pellitteri, M. Falchi, F. La Delia, V. Cicirata and F. Cicirata*

*NEUROSCIENCE 148 (2007) 653–667*

**8. Heme as a Playmaker in the Regulation of the Nitric Oxide System**

*Giovanni Li Volti, M.D., Ph.D., Paolo Murabito, M.D., Luca Vanella, Ph.D., Stefania Salafia, M.D., Antonino Gullo, M.D., Ph.D.*

*ANESTHESIOLOGY 2007; 107:355–6*

**9. Increased formation of 8-iso-prostaglandin F<sub>2α</sub> is associated with altered bone metabolism and lower bone mass in hypercholesterolaemic subjects**

*R. A. Mangiafico, G. Malaponte, P. Pennisi, G. Li Volti, G. Trovato, M. Mangiafico, Y. Bevelacqua, F. Mazza & C. E. Fiore*

*JOURNAL OF INTERNAL MEDICINE Vol 261 n. 6; 587–596 2007*

**10. Nitric oxide test during cardiac catheterization decreases the serum concentrations of S100B protein in adult patients with idiopathic pulmonary hypertension**

*G. P. Ussia, I. G. Tina, M. Scarabelli, F. Nigro, G. Li Volti, D. Cavallaro, V. Salvo, M. Mule', E. Caruso, C. Tamburino & D. Gazzolo*

*SCAND J CLIN LAB INVEST 2007; 67: 668-672*

**11. Cereals consumption and risk for renal cell carcinoma: Can be hypothesized a role of mycotoxins?**

*Fabio Galvano, Alberto Ritieni, Luca La Fauci, Giovanni Li Volti, Claudia Di Giacomo, Luca Vanella, Carmelita Marcantoni and Maja Peraica*

*INT. J. CANCER: 121, 2116-2117 (2007)*

**12. S100B protein blood concentrations in pulmonary and systemic circulation: Correlations with oxygenation status and sampling modalities - Letter to the Editor**

*Gian Paolo Ussi, Lucia Gabriella Tina, Elio Caruso, Francesco Nigro, Giovanni Li Volti, Daniela Cavallaro, Vincenzo Salvo, Massimiliano Mulè, Corrado Tamburino and Diego Gazzolo*

*CLINICA CHIMICA ACTA 380 (2007) 243-244*

**13. Novel Sigma Receptor Ligands: Synthesis and Biological Profile**

*Orazio Prezzavento, Agata Campisi, Simone Ronsisvalle, Giovanni Li Volti, Agostino Marrazzo, Vincenzo Bramanti, Giuseppe Cannavo', Luca Vanella, Alfredo Cagnotto, Tiziana Mennini, Riccardo Ientile, and Giuseppe Ronsisvalle*

*J. MED. CHEM. 2007, 50, 951-961*

**14. Tumor Associated Antigen Variation In silico experiments using the Sicilian Grid**

*E. Mastriani, F. Pappalardo, M. Pennisi, R. Catanuto and S. Motta*

**15. Analysis of vaccine's schedules using models**

*F. Pappalardo, S. Motta, P.-L. Lollini, E. Mastriani*

*CELLULAR IMMUNOLOGY 244 (2006) 137–140*

**16. Towards a Personalized Schedule with Triplex Vaccine**

*Francesco Pappalardo, Santo Motta, Pier Luigi Lollini, Emilio Mastriani, and Marzio Pennisi, F. Masulli, S. Mitra, and G. Pasi*

*APPLICATIONS OF FUZZY SETS THEORY LNAI 4578, pp. 620–626, 2007.*

**17. Interactions of imidazoline ligands with the active site of purified monoamine oxidase A**

*Tadeusz Z. E. Jones, Laura Giurato, Salvatore Guccione and Rona R. Ramsay*

*FEBS JOURNAL 274 (2007) 1567–1575*

**18. A Genetic Algorithm for Shortest Path Motion Problem in Three Dimensions**

*Marzio Pennisi, Francesco Pappalardo, Alfredo Motta, and Alessandro Cincotti  
D.-S. Huang, L. Heutte, and M. Loog*

*ADVANCED INTELLIGENT COMPUTING THEORIES AND APPLICATIONS. WITH ASPECTS OF ARTIFICIAL INTELLIGENCE - 2007, LNAI 4682, pp. 534–542, 2007*

**19. Non-Phenolic Dicinnamamides from *Pholiota Spumosa*: Isolation, Synthesis and Antitumour Activity**

*Marco Clericuzio, Silvia Tabasso, Juan A. Garbarino, Marisa Piovano, Venera Cardile, Alessandra Russo and Giovanni Vidari*

*EUR. J. ORG. CHEM. 2007, 5551–5559*

- 20. Demalonyl thyriflorin A, a semisynthetic labdane-derived diterpenoid, induces apoptosis and necrosis in human epithelial cancer cells**

*J.A. Garbarino, V. Cardile, L. Lombardo, M.C. Chamy, M. Piovano, A. Russo*

*CHEMICO-BIOLOGICAL INTERACTIONS 169 (2007) 198–206*

- 21. Putrescine-1,4-dicinnamide from *Pholiota spumosa* (Basidiomycetes) inhibits cell growth of human prostate cancer cells**

*Russo, M. Piovano, M. Clericuzio, L. Lombardo, S. Tabasso, M.C. Chamy, G. Vidari, V. Cardile, P. Vita-Finzi, J.A. Garbarino*

*PHYTOMEDICINE 14 (2007) 185–191*

- 22. Protective effect of cyanidin 3-O-b-D-glucoside on ochratoxin A-mediated damage in the rat**

*Claudia Di Giacomo, Rosaria Acquaviva, Andrea Piva, Valeria Sorrenti, Luca Vanella, Gianfranco Piva, Gabriele Casadei, Luca La Fauci, Alberto Ritieni, Matteo Bognanno, Laura Di Renzo, Maria L. Barcellona, Mauro Morlacchini and Fabio Galvano*

*BRITISH JOURNAL OF NUTRITION (2007), 98, 937–943*

- 23. Evaluation of Cell Tolerability of a Series of Lipoamino Acids Using Biological Membranes and a Biomembrane Model**

*R. Pignatello, C. Noce, A. Campisi, R. Acquaviva, C. Bucolo, G. Puglisi and I. Toth*

*CURRENT DRUG DELIVERY, 2007, 4, 109-121*

- 24. Rutin in rat liver ischemia/reperfusion injury: effect on DDAH/NOS pathway**

*Raffaell Lanteri, M.D., Ph.d., Rosaria Acquaviva, Ph.d., Claudia Di Giacomo, ph.d., Valeria Sorrenti, Ph.d., Giovanni Li Destri, M.D., Marco Santangelo, M.D., Luca Vanella, Pharm.s., and Antonio Di Cataldo, M.D.*

**25. Heme oxygenase induction by cyanidin-3-O-bglucoside in cultured human endothelial cells**

*Valeria Sorrenti, Francesco Mazza, Agata Campisi, Claudia Di Giacomo, Rosaria Acquaviva, Luca Vanella and Fabio Galvano*

*MOL. NUTR. FOOD RES. 2007, 51, 580 – 586*

**26. Normal-weight obese syndrome: early inflammation?**

*Antonino De Lorenzo, Vera Del Gobbo, Maria Grazia Premrov, Mario Bigioni, Fabio Galvano, and Laura Di Renzo*

*AM J CLIN NUTR 2007;Vol 85, n. 1, 40-45, 2007*

**27. Sequencing Microbial Copolymers of 3-Hydroxybutyric and 3-Mercaptoalkanoic Acids by NMR, Electrospray Ionization Mass Spectrometry, and Size Exclusion Chromatography NMR**

*Giuseppe Impallomeni, Alexander Steinbüchel, Tina Lütke-Eversloh, Tony Barbuzzi, and Alberto Ballistreri*

*BIOMACROMOLECULES 2007, 8, 985-991*

**28. Effects of Lipid Composition and Preparation Conditions on Physical-Chemical Properties, Technological Parameters and In Vitro Biological Activity of Gemcitabine-Loaded Liposomes**

*Maria Grazia Calvagno, Christian Celia, Donatella Paolino, Donato Cosco, Michelangelo Iannone, Francesco Castelli, Patrizia Doldo and Massimo Fresta*

*CURRENT DRUG DELIVERY, 2007, 4, 000-000*

**29. Dielectric Behavior of Lipid Vesicles: The Case of L-r-Dipalmitoylphosphatidylcholine Vesicles as a Function of Size and Temperature**

*G. Briganti, C. Cametti, F. Castelli and A. Raudino*

*LANGMUIR 2007, 23, 7518-7525*

**30. Interaction of Resveratrol and Its Trimethyl and Triacetyl Derivatives with Biomembrane Models Studied by Differential Scanning Calorimetry**

*Maria Grazia Sarpietro, Carmela Spatafora, Corrado Tringali, Dorotea Micieli and Francesco Castelli*

*J. AGRIC. FOOD CHEM. 2007, 55, 3720-3728*

**31. Interaction of lipophilic gemcitabine prodrugs with biomembrane models studied by Langmuir–Blodgett technique**

*Francesco Castelli, Maria Grazia Sarpietro, Flavio Rocco, Maurizio Ceruti, Luigi Cattel*

*JOURNAL OF COLLOID AND INTERFACE SCIENCE 313 (2007) 363–368*

**32. Interaction of Four Monoterpenes Contained in Essential Oils with Model Membranes: Implications for Their Antibacterial Activity**

*Mariateresa Cristani, Manuela D'Arrigo, Giuseppina Mandalari, Francesco Castelli, Maria Grazia Sarpietro, Dorotea Micieli, Vincenza Venuti, Giuseppe Bisignano, Antonella Saija, and Domenico Trombetta*

*J. AGRIC. FOOD CHEM. 2007, 55, 6300-6308*

**33. Enhancement of gemcitabine affinity for biomembranes by conjugation with squalene: Differential scanning calorimetry and Langmuir–Blodgett studies using biomembrane models**

*Francesco Castelli, Maria Grazia Sarpietro, Dorotea Micieli, Barbara Stella, Flavio Rocco, Luigi Cattel*

*JOURNAL OF COLLOID AND INTERFACE SCIENCE 316 (2007) 43–52*

**34. Acetyl-L-Carnitine in Neuropathic Pain - Experimental Data**

*Santina Chiechio, Agata Copani, Robert W. Gereau and Ferdinando Nicoletti*

*CNS DRUGS. 2007;21 SUPPL 1:31-8; DISCUSSION 45-6.*

**35. Mice Lacking Central Serotonergic Neurons Show Enhanced Inflammatory Pain and an Impaired Analgesic Response to Antidepressant Drugs**

*Zhong-Qiu Zhao, Santina Chiechio, Yan-Gang Sun, Kai-Hua Zhang, Cheng-Shui Zhao, Michael Scott, Randy L. Johnson, Evan S. Deneris, Kenneth J. Renner, Robert W. Gereau and Zhou-Feng Chen*

*THE JOURNAL OF NEUROSCIENCE, MAY 30, 2007 • 27(22):6045–6053 • 6045*

**36. Bone morphogenetic protein-7 delays podocyte injury due to high glucose**

*Laura De Petris, Keith A. Hruska, Santina Chiechio and Helen Liapis*

*NEPHROL DIAL TRANSPLANT (2007) 22: 3442–3450*

**37. New benzomorphan derivatives of MPCB as MOP and KOP receptor ligands**

*L. Pasquinucci, M. Ladanza, A. Marrazzo, O. Prezzavento, S. Ronsisvalle, G. M. Scoto, C. Parenti, L. De Luca, G. Ronsisvalle*

*PHARMAZIE 62: 813–824 (2007)*

**38. The antioxidant profile of three different peaches cultivars (*Prunus persica*) and their short-term effect on antioxidant status in human**

*Andrea Z. Dalla Valle, Ilaria Mignani, Anna Spinardi, Fabio Galvano, Salvatore Ciappellano*

*EUR FOOD RES TECHNOL VOL. 225, NUMBER 2 / JUNE, 2007*

**39. Is antioxidant plasma status in humans a consequence of the antioxidant food content influence?**



*L. Di Renzo, D. Di Pierro, M. Bigioni, V. Sodi, F. Galvano, R. Cianci, I. La Fauci, A. De Lorenzo*

*EUROPEAN REVIEW FOR MEDICAL AND PHARMACOLOGICAL SCIENCES 2007; 11: 185-192*

**40. Simultaneous determination of aflatoxin B1 and ochratoxin A and their natural occurrence in Mediterranean virgin olive oil**

*R. Ferracane, A. Tafuri, A. Logieco, F. Galvano, D. Balzano & A. Ritieni*

*FOOD ADDITIVES AND CONTAMINANTS, FEBRUARY 2007; 24(2): 173-180*

**41. Molecular Modeling of Oligopeptide Adsorption onto Functionalized Quartz Surfaces**

*Giuseppe Forte, Antonio Grassi and Giovanni Marletta*

*J. PHYS. CHEM. B 2007, 111, 11237-11243*

**42. Electron transport properties of calix[4]arene based systems in a metal–molecule–metal junction**

*Giuseppe Arena, Ioannis Deretzis, Giuseppe Forte, Filippo Giannazzo, Antonino La Magna, Giuseppe Lombardo, Vito Raineri, Carmelo Sgarlata and Giuseppe Spoto*

*NEW J. CHEM., 2007, 31, 756-761*

**43. Activity of Berberis aetnensis root extracts on Candida strains**

*L. Iauk, R. Costanzo, F. Caccamo, A. Rapisarda, R. Musumeci, I. Milazzo, G. Blandino*

*FITOTERAPIA 78 (2007) 159-161*

**44. Defective Function Of The Fas Apoptotic Pathway In Type I Diabetes Mellitus Correlates With Age at Onset**

*S. De Franco, Chiocchetti, M. Ferretti, L. Castelli, F. Cadario, F. Cerutti1, I. Rabbone, M. Indelicato, C. Mazzarino, M. Chessa, G. Bona and U. Dianzani*

*INTERNATIONAL JOURNAL OF IMMUNOPATHOLOGY AND PHARMACOLOGY VOL. 20, NO. 3, 0-0 (2007)*

**45. Dental Implants with locking taper connection versus screwed connection: microbiologic and scanning electron microscope study**

*S. Pappalardo, I. Milazzo, G. Nicoletti, O. Baglio, G. Blandino, L. Scalini, F. Mastrangelo, and S. Tetè*

*INTERNATIONAL JOURNAL OF IMMUNOPATHOLOGY AND PHARMACOLOGY VOL. 20 NO. 1 (S1), 13 – 17 (2007)*

**46. Proinflammatory circulating molecules in peripheral arterial disease (Review)**

*Salvatore S. Signorelli, Maria C. Mazzarino, Demetrios A. Spandidos and Grazia Malaponte*

*INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE 20: 279-286, 2007*

**47. Inflammatory status in patients with chronic renal failure: The role of PTX3 and pro-inflammatory cytokines**

*Grazia Malaponte, Massimo Libra, Ylenia Bevelacqua, Paola Merito, Pasquale Fatuzzo, Francesco Rapisarda, Maria Cristina, Gabriele Naselli, Franca Stivala, Maria C. Mazzarino and Pietro Castellino*

*INTERNATIONAL JOURNAL OF MOLECULAR MEDICINE 20: 471-481, 2007*

**48. Bioavailability, antioxidant and biological properties of the natural free-radical scavengers cyanidin and related glycosides**

*Fabio Galvano, Luca La Fauci, Paola Vitaglione, Vincenzo Fogliano, Luca Vanella and Catherine Felgines*

*ANN IST SUPER SANITA 2007 VOL. 43, NO. 4: 382-393*

**49. Determination of a potent non-competitive AMPA receptor antagonist in rat brain**

*M. Rizzo, D. Ventrice, F. Casale, G. De Sarro, R. Gitto, A. Chimirri*

*JOURNAL OF CHROMATOGRAPHY B, 850 (2007) 161–167*

**50. Phenolic Compounds and Antioxidant Activity of Italian ExtraVirgin Olive Oil Monti Iblei**

*Fabio Galvano, Luca La Fauci, Giulia Graziani, Rosalia Ferracane, Roberta Masella, Claudia Di Giacomo, Antonio Scacco, Massimiliano D'Archivio, Luca Vanella, and Giacomo Galvano*

*JOURNAL OF MEDICINAL FOOD J Med Food 10 (4) 2007, 650–656*

**51. Protocatechuic Acid Is the Major Human Metabolite of Cyanidin-Glucosides1–3**

*Paola Vitaglione, Giovanna Donnarumma, Aurora Napolitano, Fabio Galvano, Assunta Gallo, Luca Scalfi, and Vincenzo Fogliano*

*THE JOURNAL OF NUTRITION 137:2043-2048, September 2007*

**52. Correlation of the persistence of eradication of porphyromonas gingivalis with pocket depth reduction in the treatment of periodontal disease**

*G. Blandino, I. Milazzo, A.M. Lo Bue, R. Di Marco, G. Cali, B. Rossetti, G. Nicoletti*

*JOURNAL OF CHEMOTHERAPY VOL. 19 – N. 2 (234-235) – 2007*

**53. Antimicrobial Susceptibility and  $\beta$ -Lactamase Production of anaerobic and aerobic bacteria isolated from Pus Specimens from Orofacial Infections**

*G. Blandino, I. Milazzo, D. Fazio, S. Puglisi, M. Pisano, A. Speciale, S. Pappalardo*

*JOURNAL OF CHEMOTHERAPY – VOL. 19 N. 5 (495-499) – 2007*

**54. Trail interacts redundantly with nitric oxide in rat astrocytes: Potential contribution to neurodegenerative processes**

*Giuseppina Cantarella, Laurence Lempereur, Maria Antonia D'Alcamo, Nunziata Risuglia, Vera Cardile, Giuseppa Pennisi, Giovanna Maria Scoto, Renato Bernardini*

*JOURNAL OF NEUROIMMUNOLOGY 182 (2007) 41–47*

**55. In vitro evaluation of quercetin-3-O-acyl esters as topical prodrugs**

*Lucia Montenegro, Claudia Carbone, Claudio Maniscalco, Daniela Lambusta, Giovanni Nicolosi, Cinzia A. Ventura, Giovanni Puglisi*

*INTERNATIONAL JOURNAL OF PHARMACEUTICS 336 (2007) 257-262*

**56. Use of solid phase extraction (SPE) to evaluate in vitro skin permeation of aescin**

*L. Montenegro, C. Carbone, I. Giannone, G. Puglisi*

*PHARMAZIE 62 (2007) 5*

**57. Synthesis and Binding Properties of New Endothelin Receptor Ligands**

*Maria Modica, Loredana Salerno, Valeria Pittalà, Giuseppe Romeo, Mariangela Siracusa, Ilario Mereghetti, Alfredo Cagnotto and Tiziana Mennini*

*LETTERS IN DRUG DESIGN & DISCOVERY, 2007, 4, 232-238*

**58. Synthesis of 1,2,4-triazole Derivatives: Binding Properties on Endothelin Receptors**

*L. Salerno, F. Guerrera, M. Modica, G. Romeo, V. Pittalà, M.A. Siracusa, I. Mereghetti, A. Cagnotto and T. Mennini*

*MEDICINAL CHEMISTRY, 2007, 3, 551-560*

**59. Meaning of Elevated CA 19-9 serum levels in chronic hepatitis and HCV related cirrhosis**

*G. Bertino, A. M. Ardiri, P. Boemi, C. M. Bruno, M. Valenti, M. C. Mazzarino, M. Consolo, G. S. Calvagno, D. Pulvirenti, S. Neri*

*MINERVA GASTROENTEROL DIETOL 2007:53:305-9*

**60. 5-HT<sub>7</sub> Receptor Ligands: Recent Developments and Potential Therapeutic Applications**

*Valeria Pittalà, Loredana Salerno, Maria Modica, Maria Angela Siracusa and Giuseppe Romeo*

*MINI-REVIEWS IN MEDICINAL CHEMISTRY, 2007, 7, 945-960*

- 61. A natural antisense transcript against Rad18, specifically expressed in neurons and upregulated during  $\beta$ -amyloid-induced apoptosis**

*Rosalba Parenti, Sabrina Paratore, Antonietta Torrisi and Sebastiano Cavallaro*

*EUROPEAN JOURNAL OF NEUROSCIENCE, VOL. 26, PP. 2444-2457, 2007*

- 62. Blockade of the nociceptin/orphanin FQ/NOP receptor system in the rat ventrolateral periaqueductal gray potentiates DAMGO analgesia**

*Giovanna M. Scoto, Giuseppina Arico`, Simone Ronsisvalle, Carmela Parenti*

*PEPTIDES 28(2007)1441-1446*

- 63. N-acetylcysteine synergizes with oseltamivir in protecting mice from lethal influenza infection**

*Garozzo A, Tempera G, Ungheri D, Timpanaro R, Castro A.*

*INT J IMMUNOPATHOL PHARMACOL. 2007 APR-JUN;20(2):349-54*

- 64. Layer uniformity in glucose oxidase immobilization on SiO<sub>2</sub> surfaces**

*S. Libertino, A. Scandurra, V. Aiello, F. Giannazzo, F. Sinatra, M. Renis, M. Fichera*

*APPL. SURF. SCI 253, 9116, 2007.*

- 65. Fluoro-edenite fibers induce expression of Hsp70 and inflammatory response**

*Cardile V., Lombardo L., Belluso E., Panico A., Renis M., Gianfagna A., Balazy M..*

*INT J ENVIRON RES PUBLIC HEALTH. 4 :195-202, 2007.*

**66. La prova delle sofisticazioni dei prodotti alimentari; gli organismi geneticamente modificati**

*Cardile V, Renis M.*

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**67. Copper(II) complexes with  $\beta$ -cyclodextrin-homocarnosine conjugates and their antioxidant activity**

*Francesco Bellia, Diego La Mendola, Giuseppe Maccarrone, Placido Mineo, Daniele Vitalini, Emilio Scamporrino, Salvatore Sortino, Graziella Vecchio, Enrico Rizzarelli*

*INORGANICA CHIMICA ACTA 360 (2007) 945-954*

**68. Rufloxacin-induced photosensitization in yeast**

*Catalfo A., Calandra ML, Renis M., Serrentino ME., De Guidi G.*

PHOTOCHEM PHOTOBIOLOG SCI.; 6 :181-9. 2007

**69. Hydroxytyrosol lipophilic analogues: Enzymatic synthesis, radical scavenging activity and DNA oxidative damage protection**

*Grasso S., Siracusa L., Spatafora C., Renis M., Tringali C.*

BIOORG CHEM.; 35:137-52, 2007

**70. A $\beta$  (25-35) and Its C- and/or N-Blocked Derivatives: Copper Driven Structural Features and Neurotoxicity**

*Giuffrida M.L., Grasso G., Pignataro B., Saporito A., Marasco D., Ruvo M., Pedone C., Copani A., Rizzarelli E.*

J NEUROSCI RES. 2007; 85(3):623-33.

**71. The CDC2 I-G-T haplotype associated with the APOE var epsilon4 allele increases the risk of sporadic Alzheimer's disease in Sicily.**

*Bosco P, Caraci F, Copani A, Spada RS, Sortino MA, Salluzzo R, Salemi M, Nicoletti F, Ferri R.*

NEUROSCI LETT. 2007; 419(3):195-8.

**72. Astrocyte-like cells as a main target for estrogen action during neuronal differentiation.**

*Merlo S, Calafiore M, Vancheri C, Luigi Canonico P, Copani A, Sortino MA.*

MOL CELL NEUROSCI. 2007; 34(4):562-70.

**73. The nature of the cell cycle in neurons: focus on a "non-canonical" pathway of DNA replication causally related to death.**

*Copani A, Caraci F, Hoozemans JJ, Calafiore M, Sortino MA, Nicoletti F.*

BIOCHIM BIOPHYS ACTA. 2007; 1772(4):409-12.

**74. Benzo [d]isothiazol-3-yl-benzamidines: a Class of Protective Agents on Cultures of Human Cartilage and Chondrocytes Stimulated By IL-1 beta**

*Panico A.M., Vicini, M. Incerti, V. Cardile, F. Garufi, S. Ronsisvalle.*

*CHEMMEDCHEM, vol. 2; p. 113-119, (2007). ISSN: 1860-7179*

**75. Synthesis and in vitro evaluation of 5-arylidene-3-hydroxyalkyl-2-phenylimino-4-thiazolidinones with antidegenerative activity on human chondrocyte cultures.**

*Panico A.M., Rosaria Ottana, Rosanna Maccari, Rossella Ciurleo, Maria Gabriella Vigorita, Venera Cardile, Floriana Garufi and Simone Ronsisvalle*

*BIOORGANIC & MEDICINAL CHEMISTRY, vol. 15; p. 7618-7625, (2007). ISSN: 0968-0896*

**76. Toxicity and Carcinogenicity Mechanisms of Fibrous Antigorite.**

*V.Cardile, L. Lombardo, E. Belluso, Panico A.M., S. Capella, M. Balazy*

**77. A DFT Study on the 1,3-dipolar cycloaddition reactions of C-(hetaryl) nitrones with methyl acrylate and vinyl acetate**

*Pedro Merino, Tomas Tejero, Ugo Chiacchio, Giovanni Romeo and Antonio Rescifina*

*TETRAHEDRON 63 (2007) 1448-1458*

**78. A novel Class of Modified Nucleosides: Synthesis of Alkylidene Isoxazolidinyl Nucleosides Containing Thymine**

*Anna Piperno, Antonio Rescifina, Antonio Corsaro, Maria A. Chiacchio, Antonio Procopio and Roberto Romeo*

*EUR. J. ORG. CHEM. 2007, 1517-1521*

**79. Phosphonated Carbocyclic 2'-Oxa-3'-azanucleosides as New Antiretroviral Agents**

*Ugo Chiacchio, Antonio Rescifina, Daniela Iannazzo, Anna Piperno, Roberto Romeo, Luisa Borrello, Maria Teresa Sciortino, Emanuele Balestrieri, Beatrice Macchi, Antonio Mastino, and Giovanni Romeo*

*J. MED. CHEM. 2007, 50, 3747-3750*

**80. Synthesis of Methyleneisoxazolidine Nucleoside Analogues by Microwave-Assisted Nitron Cycloaddition**

*Ugo Chiacchio, Antonio Corsaro, Daniela Iannazzo, Anna Piperno, Giovanni Romeo, Roberto Romeo, Maria G. Saita, and Antonio Rescifina*

*EUR. J. ORG. CHEM. 2007, 4758-4764*

**81. 3-(Aminomethyl)-2-(carboxymethyl)isoxazolidinyl nucleosides: building blocks for peptide nucleic acid analogues**



*Merino, Pedro; Tejero, Tomas; Mates, Juan; Chiacchio, Ugo; Corsaro, Antonino; Romeo, Giovanni.*

*TETRAHEDRON: ASYMMETRY (2007), 18(13), 1517-1520.*

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*Chiacchio, Ugo; Mastino, Antonio; Merino, Pedro; Romeo, Giovanni*PCT

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