

Prof. Rosario Pignatello

Complete List of Scientific Publications

- Synthesis and biological activity of acetamides, arylureas and 2-alkoxyphenyl-6-phenyl-1,3,4-oxa(thia)diazolo[3,2-a]-s-triazin-5,7-diones derived from 2-amino-5-alkoxyphenyl-1,3,4-oxa(thia)-diazole**
G. Mazzone, G. Puglisi, A.M. Panico, R. Pignatello, A. Corsaro, A. Caruso, M.G. Leone e M. Amico Roxas
Il Farmaco, Ed. Sci., **42**, 963-972 (1987) **ISSN: 0014-827X**
- Preparazione del lisinato di Clometacina: caratteristiche chimiche e farmacologiche**
G. Puglisi, R. Pignatello, A. Caruso, M.G. Leone, S. Sciuto, F. Bonina e M. Amico Roxas
Acta Toxicologica et Therapeutica, **8**, 161-172 (1987)
- Carboxymethyl and carboxy derivatives of 7H- and 5H-1,2,4-triazolo [3,4-b][1,3,4]thiadiazine: synthesis and biological evaluation**
G. Mazzone, F. Bonina, R. Pignatello, A.M. Panico, A. Caruso, M.G. Leone, M. Amico Roxas e G. Blandino
Il Farmaco, Ed. Sci., **44**, 933-944 (1989) **ISSN: 0014-827X**
- Calorimetric studies of the interaction of 4-biphenylacetic acid and its β -cyclodextrin inclusion compound with lipid model membrane**
F. Castelli, G. Puglisi, R. Pignatello e S. Gurrieri
International Journal of Pharmaceutics, **52**, 115-121 (1989)
ISSN 0378-5173
- Synthesis and biological evaluation of 2-alkoxyphenyl-6-(substituted phenyl)-1,3,4-thiadiazole[3,2-a]-s-triazin-5,7-diones and 1-(alkyl and substituted phenyl)-3-[5-alkoxyphenyl-1,3,4-thia- and oxadiazol-2-yl]-ureas**
G. Puglisi, R. Pignatello, A.M. Panico, G. Mazzone, A. Corsaro, A. Caruso, M.G. Leone e M. Amico Roxas
European Journal of Medicinal Chemistry, **24**, 277-285 (1989) **ISSN 0223-5234**
- Polymeric prodrugs: α,β -poly(N-hydroxyethyl)-DL-aspartamide as a macromolecular carrier for some non-steroidal anti-inflammatory agents**
G. Giammona, G. Puglisi, B. Carlisi, R. Pignatello, A. Spadaro e A. Caruso
International Journal of Pharmaceutics, **57**, 55-62 (1989)
ISSN 0378-5173
- Effect of different ointment bases on ocular anti-inflammatory activity of 4-biphenylacetic acid in the rabbit**
G. Puglisi, S. Spampinato, G. Giammona, R. Pignatello, T. Bachetti, S. Mangiafico, M. Marino e G. Mazzone
Drug Design and Delivery, **5**, 341-352 (1989)
- Inclusion complexation of 4-biphenylacetic acid with β -cyclodextrin**
G. Puglisi, N.A. Santagati, R. Pignatello, C. Ventura, F.A. Bottino, S. Mangiafico e G. Mazzone
Drug Development and Industrial Pharmacy, **16**, 395-413 (1990)
ISSN 0363-9045
- Enhancement of 4-biphenylacetic acid bioavailability in rats by its β - cyclodextrin complex after oral administration**
G. Puglisi, N.A. Santagati, C.A. Ventura, R. Pignatello, A.M. Panico e S. Spampinato

10. **Liposomal thymostimulin formulations: "in vitro" activity on human erythroleukemic cells**
A.M. Panico, R. Pignatello, S. Mazzone, G. Puglisi, G. Mazzone, M.E. Campo, F. Stivala e A. Bernardini
Journal of Chemotherapy, **3** (suppl. 3), 308-310 (1991) **ISSN 1120-009X**
11. **Synthesis and biological evaluation of thiazolo-triazole derivatives**
R. Pignatello, S. Mazzone, A.M. Panico, G. Mazzone, G. Pennisi, R. Castana, M. Matera e G. Blandino
European Journal of Medicinal Chemistry, **26**, 929-938 (1991)
12. **Use of liposomes as carriers for immunomodulatory polypeptides. Studies on thymostimulin encapsulation and retention.**
A.M. Panico, R. Pignatello, G. Puglisi, G. Mazzone e G. Petrone
International Journal of Pharmaceutics, **80**, 93-100 (1992)
ISSN 0378-5173
13. **Synthesis of carboxyalkylthio-triazoles and bicyclic derivatives with antiinflammatory and analgesic activity**
G. Mazzone, R. Pignatello, S. Mazzone, A. Panico, F. Barbera, T. Catti, S. Chiechio, R. Arrigo Reina, C. Castorina e A. Russo
Il Farmaco, **47**, 149-169 (1992) **ISSN: 0014-827X**
14. **Simultaneous high-performance liquid chromatography determination of antazoline phosphate and tetrahydrozoline hydrochloride in an ophthalmic solution**
N.A. Santagati, R. Pignatello e M. Fresta
Bollettino Chimico Farmaceutico, **131**, 117-119 (1992)
15. **MAOI activity of some novel series of substituted thiazol-2-yl-hydrazines**
R. Pignatello, G. Mazzone, A. Panico, S. Mazzone, G. Puglisi, G. Pennisi, G. Raciti, P. Mazzone e M. Matera
Pharmazie, **47**, 902-910 (1992) **ISSN 0031-7144**
16. **Evaluation and optimization of liposomes as a delivery device for methotrexate**
M. Fresta, G. Puglisi, R. Pignatello e C. Giovino
Pharmazie, **47**, 926-929 (1992) **ISSN 0031-7144**
17. **CDP-choline-loaded liposome in rats following cerebral post-ischemic reperfusion**
M. Fresta, G. Puglisi, A. Panico, R. Pignatello, G. Mazzone, C. Di Giacomo, A. Russo, A. Vanella
Int. J. of Clinical Pharmacology Therapy and Toxicology, **30**, 291 (1992)
18. **Lipid vesicles loaded with thymopentin: characterization and in vitro activity on tumoral cells**
A. Panico, R. Pignatello, S. Mazzone, V. Cardile, M. Bindoni, F. Cordopatri, A. Villari, N. Micali e G. Mazzone
Int. J. Pharm. **98**, 19-28 (1993) **ISSN 0378-5173**
19. **Synthesis and local anesthetic activity of alkylaminoacyl derivatives of 2-amino-1,3,4-thiadiazole**
G. Mazzone, R. Pignatello, S. Mazzone, A. Panico, G. Pennisi, R. Castana e P. Mazzone
Il Farmaco, **48**, 1207-1224 (1993) **ISSN: 0014-827X**

20. **Correlation between monoamino oxidase inhibitor activity of some thiazol-2-ylhydrazines and their interaction with dipalmitoyl-phosphatidylcholine liposomes**
F. Castelli, R. Pignatello, M.G. Sarpietro, P. Mazzone, G. Raciti e G. Mazzone
Journal of Pharmaceutical Sciences, **83**, 362-3366 (1994)
21. **MAOI activity of thiosemicarbazides and related 2-thiazolyl-hydrazines**
R. Pignatello, S. Mazzone, F. Castelli, P. Mazzone, G. Raciti e G. Mazzone
Die Pharmazie, **49**, 272-276 (1994) **ISSN 0031-7144**
22. **Schiff bases of N-hydroxy-N'-aminoguanidines as antiviral, anti-bacterial and anticancer agents**
R. Pignatello, A. Panico, P. Mazzone, M.R. Pinizzotto, A. Garozzo, P.M. Furneri
European Journal of Medicinal Chemistry, **29**, 781-785 (1994)
23. **Calorimetric study on the synthetic pentapeptide thymopentin interaction with phospholipid membranes. Effect of stearylamine and pH**
F. Castelli, A. Panico R. Pignatello e G. Mazzone
J. Colloid Interface Sci., **175**, 289-292 (1995) **ISSN: 0021-9797**
24. **Near-infrared spectroscopy: a new advance in direct measurement of moisture in skin.**
M. Fresta, R. Pignatello e G. Puglisi
J. Applied Cosmetology, **13**, 55-68 (1995) **ISSN 0392-8543**
25. **Structure-activity studies of monoamine oxidase inhibitors by calorimetric and quantum mechanical calculations.**
P. Mazzone, G. Raciti, A. Raudino, G. Buemi, F. Castelli, A. Cambria, R. Pignatello e G. Mazzone
Journal of Enzyme Inhibition **10**(4), 215-229 (1996)
26. **Transdermal Drug Delivery by Iontophoresis. I. Fundamentals and Theoretical Aspects.**
R. Pignatello, M. Fresta e G. Puglisi
J. of Applied Cosmetology **14**, 59-72 (1996) **ISSN 0392-8543**
27. **Synthesis and preliminary *in vitro* screening of lipophilic α,γ -bis(amides) as potential prodrugs of methotrexate.**
R. Pignatello, V. Sorrenti, G. Spampinato, T. Pecora, A. Panico, C. Di Giacomo, M. Fresta, A. Vanella e G. Puglisi
Anti-Cancer Drug Design **11**(3), 253-264 (1996) **ISSN 0266-9536**
28. **Effects of liposome composition on erythromycin encapsulation and *in vitro* antibacterial activity**
A. Panico, R. Pignatello, G. Puglisi, P.M. Furneri, L. Campo, G. Cerniglia, F. Castelli, P. Mazzone
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29. **Transdermal Drug Delivery by Iontophoresis. II. Techniques and *in vitro-in vivo* models.**
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30. **Preparation of liposome formulations containing immuno-modulatory peptides**
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31. **Properties of tolmetin-loaded Eudragit RL100 and RS100 microparticles prepared by different techniques**

R. Pignatello, M.A.Vandelli, P. Giunchedi e G. Puglisi
S.T.P. Pharma Sciences **7**, 148-157 (1997)

32. **Interaction of monoamine oxidase inhibitors with dipalmitoyl phosphatidylcholine liposomes. A comparison between structure and calorimetric data**
F. Castelli, M.T. Cambria, P. Mazzone e R. Pignatello
Thermochimica Acta **302**, 143-150 (1997) **ISSN 0040-6031**
33. **Lipoamino acid conjugates of methotrexate with antitumor activity**
R. Pignatello, G. Jansen, I. Kathmann, G. Puglisi e I. Toth
Journal of Pharmaceutical Sciences, **87**, 367-371 (1998) **ISSN 0022-3549**
34. **Synthesis of methotrexate α,γ -bis(amides) and correlation of DPPC thermotropic and DPPC biomembrane interaction parameters with their anticancer activity**
G. Puglisi, M. Fresta and R. Pignatello
Drug Development Research, **44**, 162-169 (1998) **ISSN 0272-4391**
35. **Aliphatic α,γ -bis(amides) of methotrexate. Influence of chain length on in-vitro activity against sensitive and resistant tumour cells.**
R. Pignatello, G. Spampinato, V. Sorrenti, L. Vicari, C. Di Giacomo, A. Vanella, G. Puglisi.
Pharmacy and Pharmacology Communications, **5**, 299-305 (1999)
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36. **In vitro release kinetics of tolmetin from tabletted Eudragit microparticles**
R. Pignatello, P. Consoli, G. Puglisi
Journal of Microencapsulation, **17**, 373-383 (2000) **ISSN 0265-2048**
37. **Lipophilicity evaluation by RP-HPLC of two homologous series of methotrexate derivatives**
R. Pignatello, G. Puglisi - *Pharm. Acta Helv.*, **74**, 405-410 (2000)
38. **Lipophilic methotrexate conjugates with antitumor activity**
R. Pignatello, G. Spampinato, V. Sorrenti, C. Di Giacomo, L. Vicari, J.J. McGuire, C.A. Russell, G. Puglisi, I. Toth.
Eur. J. Pharm. Sciences, **10**, 237-245 (2000) **ISSN 0928-0987**
39. **Efficacia della terapia di supporto con un integratore dopo trattamento chirurgico di varicocele.**
L.G. Nardo, R. Pignatello, S. Savoca, F. Nardo
Contraccezione Fertilità Sessualità, **27**, 53-58 (2000)
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40. **Preparation and analgesic activity of Eudragit RS100 microparticles containing diflunisal**
R. Pignatello, D. Amico, S. Chiechio, P. Giunchedi, C. Spadaro, G. Puglisi
Drug Delivery, **8**, 35-45 (2001) **ISSN 1071-7544**
41. **Preparation, characterisation and photosensitivity studies of solid dispersions of diflunisal and Eudragit RS100® and RL100®**
Pignatello R, Ferro M, De Guidi G, Salemi G, Vandelli MA, Guccione S, Geppi M, Forte C, Puglisi G.
Int. J. Pharm., **218**, 27-42 (2001) **ISSN 0378-5173**
42. **Structural effects of lipophilic methotrexate conjugates on model phospholipid biomembranes**
R. Pignatello, I. Toth, G. Puglisi

43. **Lipophilic methotrexate conjugates with glucose-lipoamino acid moieties: synthesis and in vitro antitumor activity.**
R. Pignatello, L. Vicari, V. Sorrenti, C. Di Giacomo, G. Spampinato, G. Puglisi, I. Toth
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44. **Effect of pH on diclofenac release from Eudragit RS100 microparticles. A kinetic study by DSC.**
F. Castelli, C. Messina, R. Pignatello, G. Puglisi.
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45. **Influence of anthropometric parameters on bone mineral density. Correlations with age and sex.**
S. Savoca, R. Pignatello, L.G. Nardo, S. D'Agosta, K. Messina, T. Rosano.
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46. **Aspetti biofarmaceutici dei medicinali. L'influenza del cibo sull'assorbimento e l'attivita' dei farmaci per uso orale.**
R. Pignatello, T. Pecora, G. Puglisi
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47. **Flurbiprofen-loaded acrylate polymer nanosuspensions for ophthalmic application.**
R. Pignatello, C. Bucolo, G. Spedalieri, A. Maltese, G. Puglisi.
Biomaterials, 23, 3247-3255 (2002). ISSN 0142-9612
48. **Eudragit RS100® nanosuspensions for the ophthalmic controlled delivery of ibuprofen.**
R. Pignatello, C. Bucolo, P. Ferrara, A. Maltese, A. Puleo, G. Puglisi
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49. **Flurbiprofen release from Eudragit RS and RL aqueous nanosuspensions: a kinetic study by DSC and dialysis experiments**
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51. **Enhanced ocular anti-inflammatory activity of ibuprofen carried by an Eudragit RS100 nanoparticle suspension.**
Bucolo C, Maltese A, Puglisi G, Pignatello R.
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52. **Ocular tolerability of Eudragit RS100 and RL100 nanosuspensions as carriers for ophthalmic controlled drug delivery.**
Pignatello R, Bucolo C, Puglisi G.
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53. **Crystallographic, NMR and ab initio calculation studies of tautomerism among substituted thiazol-2-yl hydrazines.**
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54. **Cloricromene conjugates with short-chain alkylamino acids: synthesis and biological evaluation**
R. Pignatello, A. Puleo, S. Giustolisi, S. Cuzzocrea, L. Dugo, A.P. Caputi, G. Puglisi
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55. **Eudragit as controlled release system for anti-inflammatory drugs. A comparison between DSC and dialysis experiments.**
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56. **Effect of liposomal delivery on in vitro antitumor activity of lipophilic conjugates of methotrexate with lipoamino acids.**
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57. **Lipophilic conjugates of idebenone with short and medium alkylamino acids: synthesis and antioxidant activity.**
R. Pignatello, A. Puleo, A. Campisi, R. Acquaviva, A. Vanella, G. Puglisi.
J. Drug Del. Sci. Technol., 14(3), 181-186 (2004) **ISSN 1773-2247**
58. **Chemical and enzymatic stability evaluation of lipoamino acid esters of idebenone.**
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59. **Lipophilic conjugates of methotrexate with short-chain alkylamino acids as DHFR inhibitors. Synthesis, biological evaluation, and molecular modeling.**
Pignatello R., Guccione S., Forte S., Di Giacomo C., Sorrenti V., Vicari L., Uccello Barretta G., Balzano F., Puglisi G.
Bioorg. Med. Chem. 12(11), 2951-2964 (2004) **ISSN 0968-0896**
60. **Characterization of the mechanism of interaction in ibuprofen-Eudragit RL100 coevaporates.**
Pignatello R., Spadaro D., Vandelli M.A., Forni F., Puglisi G.
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62. **Lipophilic conjugates of methotrexate with glycosyl-lipoamino acids: calorimetric study of the interaction with a biomembrane model**
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Thermochimica Acta, 426, 163-171 (2005). **ISSN 0040-6031**
63. **Molecular properties of ibuprofen and its solid dispersion with Eudragit RL100 studied by solid-state Nuclear Magnetic Resonance**
M. Geppi, S. Guccione, G. Mollica, R. Pignatello, C.A. Veracini
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64. **Synthesis and *in vitro* skin permeation of naproxen conjugates with α -alkylamino acids**
R. Pignatello, L. Montenegro, A.H.S. Stancampiano, A. Puleo, G. Puglisi
Curr. Drug Delivery, 2(2), 185-189 (2005) **ISSN 1567-2018**
65. **Enhancement of drug affinity for cell membranes by conjugation with lipoamino acids. I. Synthesis and biological evaluation of lipophilic conjugates of tranylcypromine.**
Pignatello R., Puleo A., Guccione S., Raciti G., Acquaviva R., Campisi A., Ventura C.A., Puglisi G.
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66. **Enhancement of drug affinity for cell membranes by conjugation with lipoamino acids II. Experimental and computational evidence using biomembrane models.**
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67. **Physico-chemical characterization of disoxaril-dimethyl-beta-cyclodextrin inclusion complex and *in vitro* permeation studies.**
Ventura C.A., Giannone I., Musumeci T., Pignatello R., Ragni L., Landolfi C., Milanese C., Paolino D., Puglisi G.
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68. **Preparation and characterization of Eudragit Retard nanosuspensions for the ocular delivery of cloricromene.**
R. Pignatello, N. Ricupero, C. Bucolo, F. Maugeri, A. Maltese, G. Puglisi
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69. **A calorimetric evaluation of the interaction of amphiphilic prodrugs of idebenone with a biomembrane model.**
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70. **Influence of liposome composition on *in vitro* permeation of diosmin through human *stratum corneum* and epidermis.**
Montenegro L., Paolino D., Drago R., Pignatello R., Fresta M., Puglisi G.
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71. **Enhancement of availability of cloricromene at brain level by a lipophilic prodrug.**
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72. **PLA/PLGA nanoparticles for sustained release of docetaxel.**
Musumeci T., Ventura CA, Giannone I, Ruozi B, Montenegro L, Pignatello R, Puglisi G.
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73. **Molecular properties of flurbiprofen and its solid dispersions with Eudragit RL100 studied by high- and low-resolution Solid-State Nuclear Magnetic Resonance.**
G. Mollica, M. Geppi, R. Pignatello, C.A. Veracini
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75. **Technological and biological characterization of idebenone-loaded Solid Lipid Nanoparticles prepared by a modified solvent injection technique**
A. H. S. Stancampiano, R. Acquaviva, A. Campisi, L. Vanella, C. A. Ventura, G. Puglisi, R. Pignatello
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76. **Technological evaluation and equivalence assessment of lorazepam tablets in rabbits.**
Ventura CA, Giannone I, Musumeci T, Pignatello R, Puglisi G.
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80. **Flurbiprofen derivatives in Alzheimer's disease: synthesis, pharmacokinetic and biological assessment of lipoamino acid prodrugs.**
Pignatello R, Pantò V, Salmaso S, Bersani S, Pistarà V, Kepe V, Barrio JR, Puglisi G.
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81. **Biocompatibility of poly(D,L-lactide-co-glycolide) nanoparticles conjugated with alendronate**
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Stancampiano, A.H.S., Puglisi, G., Pignatello, R.
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83. **Solid dispersions of chitosan glutamate for the local delivery of miconazole: characterization and in vitro activity**
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84. **Effect of variation in the chain length and number in modulating the interaction of an immunogenic lipopeptide with biomembrane models**
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Editorial activity

◆ *Editorial to Symposium on:*

Calorimetric techniques to study the interaction of drugs with biomembrane models

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◆ Editor of: **DRUG-BIOMEMBRANE INTERACTION STUDIES. THE APPLICATION OF CALORIMETRIC TECHNIQUES** (ISBN 978-190-756-805-3)

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**ORAL & POSTER
COMMUNICATIONS**

A) INVITED LECTURES

- L1) Eudragit® RS100 and RL100 nanosuspensions loaded with nonsteroidal anti-inflammatory drugs for ophthalmic application.**
*Second International Conference on New Biomedical Materials.
Cardiff (Wales, UK), 5-8 Aprile 2003.*
- L2) Carrier micro- e nanoparticellari per la veicolazione ed il targeting di agenti anti-infettivi.**
*1° Congresso Nazionale della Società Italiana di Microbiologia Farmaceutica (SIMiF);
Catania, 28-30 Maggio 2004*
- L3) Veicoli 'non convenzionali' per il rilascio dermico di farmaci: i sistemi particellari.**
4° Corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico-Farmaceutiche; Arcavacata di Rende, 11-17 Settembre 2004
- L4) Polymeric nanosuspensions for the ophthalmic delivery of non-steroidal anti-inflammatory drugs**
*7th Meeting of the Association for Ocular Pharmacology and Therapeutics, AOPT,
Catania, February 3-5, 2005.*
- L5) Polimeric nanoparticles as Drug Delivery Systems**
*27th Latin American Congress on Chemistry and 6th International Congress on
Chemistry and Chemical Engineering; Havana, Cuba, October 16-20, 2006*
- L6) A novel polymeric conjugate for preparation of osteotropic nanoparticles for anticancer therapy**
*Anticancer drug delivery: new perspectives in tumour targeting - Thematic workshop
of CRS - Controlled Release Society, Italian Chapter; Padova, November 28-29, 2008*
- L7) A novel polymer conjugate for the preparation of osteotropic nanoparticles for anticancer therapy. Technological characterization, biocompatibility studies and in vitro activity**
*Workshop of the Department of Pesticide Chemistry, National Research Centre, Dokki,
Cairo; October 19, 2009*
- L8) Differential scanning calorimetry (DSC) as a tool for evaluating the interaction of drugs and drug derivatives with anisotropic biomembrane models**
*Workshop of the Department of Pesticide Chemistry, National Research Centre -
Dokki, Cairo, October 20, 2009*
- L9) Aspetti normativi dei nutraceutici e degli integratori alimentari**
*XXVI Congresso Nazionale della Società Italiana di Andrologia
Roma, November 25-27, 2010*
- L10) Nanotecnologie per il drug delivery oftalmico**
*'Vie di somministrazione alternative' - XI Scuola Dottorale per la Formazione
Avanzata in Discipline Tecnologico-Farmaceutiche;
Arcavacata di Rende (CS), September 11-15, 2011*

L11) Superficie oculare e drug delivery systems

Farmacologia oculare: la ricerca traslazionale - 1° ARVO Italy chapter Meeting - Catania, February 6/7, 2012

L12) Polymeric nanoparticles augment the ocular hypotensive effect of melatonin in rabbits.

Farmacologia Oculare: Life-changing research - ARVO Italy chapter Meeting - Catania, February 3/4, 2014

L13) Integratori alimentari: l'importanza dell'etichetta nutrizionale. Titolazione, dosaggio e qualità degli attivi.

Convegno LympHoLab Pharma - Savona, 14 December 2015

L14) Norme di Buona Preparazione in UFA.

Workshop: La sicurezza e la qualità nella preparazione dei farmaci: Adeguamenti & Accreditazioni; Catania, November 10, 2016

L15) Polymeric nanoparticles augment the ocular hypotensive effect of melatonin in rabbits.

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B) ORAL COMMUNICATIONS

01) Sintesi ed attività IMAO di derivati 2-tiazolil-idrazinici

R. Pignatello, P. Mazzone, A.M. Panico, G. Pennisi e G. Mazzone
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02) Studi di correlazione tra l'attività antitumorale e la lipofilia di bis(ammido) alifatiche del metotrexato

R. Pignatello, M. Fresta, A. Panico, C.A. Ventura e G. Puglisi
Convegno Regionale della Società Chimica Italiana - Sez. Sicilia Taormina Mare, 18-20 Dicembre 1995

03) Preparazione e valutazione biologica di α,γ -bis(ammido) lipofile del metotrexato

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04) Enhanced cell penetration of lipoamino acid prodrugs of antitumor agents

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05) Polymeric nanosuspensions for modified ocular release of NSAIDs

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06) Novel polyester co- and terpolymers producing micro- and nanoparticles

T. Musumeci, G. Carnemolla, G. Impallomeni, C.A. ventura, B. Ruozi, V. Nociforo, A. Ballistreri, R. Pignatello, G. Puglisi
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07) Technological strategies to improve the efficacy of antibiotics against Gram-negative bacteria

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08) Nanotechnologies and ocular diseases: topical route vs intravitreal administration

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G. Puglisi, L. Montenegro, T. Musumeci, C. Puglia, R. Pignatello

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C) POSTERS

1. Derivatives of 2-amino-5-alkoxyphenyl-1,3,4-oxa(thia)diazoles showing analgesic and antiinflammatory activity

G. Mazzone, G. Puglisi, R. Pignatello, A. Corsaro

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2. Simultaneous high-performance liquid chromatography determination of antazoline phosphate and tetrahydrozoline hydrochloride in an ophthalmic solution

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Milano, 27-28 Novembre 1987

3. Comportamento termotropico di liposomi di dipalmitoil-fosfatidilcolina contenenti acido 4-bifenilacetico e il suo complesso di inclusione in β -ciclodestrina

F. Castelli, R. Pignatello, G. Puglisi, S. Gurrieri

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4. Reactivity of alkoxyaroyl-thiosemicarbazides: synthesis of aroyl-hydrazinothiazoles and their preliminary biological evaluation

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5. Synthesis of thiazolo[3,2-b]1,2,4-triazoles, thiazolo[2,3-c]-1,2,4 triazoles and thiazolo[3,2-b]-1,2,4-triazol-5(6H)-ones of pharmaceutical interest

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6. Inclusion complexation of 4-biphenylacetic acid with β -cyclodextrin

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7. Polymeric prodrugs: α,β -poly(N-hydroxyethyl)-DL-aspartamide as a macromolecular carrier for some non-steroidal anti-inflammatory agents

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8. Liposomal thymostimulin formulations: "in vitro" activity on human erythroleukemic cells.

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Modena, 28-31 Ottobre 1990*

9. Liposomi contenenti timostimolina: effetto della composizione lipidica sull'inclusione e l'attività del farmaco su cellule eritroleucemiche umane

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19. Sintesi di α,γ -diammidi alifatiche come potenziali prodrugs del metotrexato

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21. Interaction of β -cyclodextrins with biological membrane model

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23. Preparation by different techniques of Tolmetin-loaded Eudragit RL 100 and RS 100 microparticles

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28. Preparazione ed attivazione enzimatica *in vitro* di coniugati glico-lipidici del methotrexato

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52. Preparation, characterization and in vitro antitumoral activity of gemcitabine-loaded liposomes

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Proc. Intern. Meeting on Pharmaceutics, Biopharm. and Pharm. Technology;
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R. Pignatello, M. Lombardo, A. Puleo, G. Puglisi
European Conference on Drug Delivery and Pharmaceutical technology
Siviglia, 10-12 Maggio 2004, p. 4

58. Lipophilic conjugates of taxanes with lipoamino acids: synthesis and *in vitro* biological evaluation

R. Pignatello, A. Puleo, M. Fresta, G. Puglisi

*European Conference on Drug Delivery and Pharmaceutical technology
Siviglia, 10-12 Maggio 2004*

59. Chitosan glutamate mucoadhesive gels with local anaesthetic activity

R. Pignatello, A. Puleo, G. Puglisi

44° Simposio AFI – Rimini, 19-21 Maggio 2004

60. Study of structural and dynamic behaviour of ibuprofen and its solid dispersions with Eudragit RL100 by means of solid state NMR.

M. Geppi, S. Guccione, G. Mollica, R. Pignatello, C.A. Veracini

The first EENC/AMPERE Joint Meeting, Lille, 6-11 settembre 2004

61. Nanoparticelle lipidiche solide per la veicolazione di idebenone: preparazione, caratterizzazione e valutazione dell'attività antiossidante

A.H.S. Stancampiano, R. Pignatello, G. Puglisi

*4° Corso della Scuola Dottorale per la Formazione Avanzata in Discipline
Tecnologiche Farmaceutiche; Arcavacata di Rende, 11-17 Settembre 2004*

62. Solid state NMR of drugs: a study of non-steroidal anti-inflammatory drugs and their dispersions with polymeric carriers.

M. Geppi, S. Guccione, G. Mollica, R. Pignatello, C.A. Veracini

*XXXIV National Congress on Magnetic Resonance
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63. Lipoamino acid conjugates of flurbiprofen as potential prodrugs for treatment of Alzheimer's disease

R. Pignatello, V. Pistarà, G. Timbol, V. Kepe, S. Bersani, S. Salmaso, J.R. Barrio

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64. Unilamellar vesicles for D-cycloserine delivery

R. Pignatello, I. Giannone, T. Musumeci, C.A. Ventura, P.M. Furneri, N.F. Cuciti, G. Puglisi

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65. Lipoamino acid tolerability evaluation on biological membranes and biomembrane models

R. Pignatello, R. Acquaviva, M.T. Liang, G. Puglisi, I. Toth

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66. Use of semitelechelic polymers as surface modifiers of colloidal carriers of drugs

Valentina Pantò, Rosario Pignatello, Giovanni Puglisi

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67. Synthesis, Characterization and In Vitro Cytotoxicity Evaluation of Lipoamino Acid Prodrugs of Paclitaxel

M. G. Calvagno, V. Pantò, D. Paolino, M. Fresta, R. Pignatello

33rd CRS Annual Meeting & Exposition, Vienna, 22-26 July 2006 (p.689)

68. Amphiphilic prodrugs of Flurbiprofen as potential agents in Alzheimer's disease treatment

R. Pignatello, S. Bersani, S. Salmaso, G. Timbol, V. Kepe, J. R. Barrio, G. Puglisi

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69. Synthesis and characterization of novel amphiphilic polymers as surface modifiers of colloidal drug carriers

V. Pantò, R. Pignatello, G. Puglisi

6° Corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologiche Farmaceutiche. "Polimeri idrofili: teoria ed applicazioni"; Arcavacata di Rende, 9 -15 Settembre 2006

70. PLA/PLGA nanoparticles for sustained release of docetaxel

T. Musumeci, C.A. Ventura, I. Giannone, B. Ruozi, L. Montenegro, R. Pignatello, G. Puglisi

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

71. Nanoparticelle di PACA per la veicolazione della D-cicloserina

T. Musumeci, C.A. Ventura, R. Pignatello G. Puglisi

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

72. Technological and biological characterization of idebenone-loaded solid lipid nanoparticles prepared by a modified solvent injection technique

A.H.S. Stancampiano, R. Acquaviva, A. Campisi, C.A. Ventura, L. Vanella, G. Puglisi, R. Pignatello

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

73. Aumento dell'attività citotossica in vitro di prodrug lipoamminoacidici del paclitaxel su una linea cellulare di carcinoma anaplastico tiroideo

M.G. Calvagno, D. Paolino, M. Fresta, G. Puglisi, R. Pignatello

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

74. Preparation, characterization and microbiological studies of D-cycloserine loaded liposomes

I. Giannone, T. Musumeci, C.A. Ventura, P.M. Furneri, N.F. Cuciti, R. Pignatello, G. Puglisi

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

75. Solid dispersions of chitosan glutamate for local delivery of miconazole

R. Pignatello, A. Mangiafico, P.M. Furneri, G. Puglisi

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

76. Lipoamino acid promoieties: studies on tolerability and interaction with biological and model membranes

R. Pignatello, V. Pantò, A. Campisi, C. Bucolo, I. Toth, G. Puglisi

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

77. Osteotropic colloidal carriers for targeting of antitumor drugs to bone tissues and metastasis

D. Micieli, M.G. Sarpietro, E. Cenni, M. Greco, D. Granchi, N. Baldini, F. Castelli, R. Pignatello

XX Simposio ADRITELF; Catania, 4-7 Ottobre 2006

78. Biocompatibility of bone targeted nanoparticles for intravenous administration

C. Fotia, M. Salerno, E. Cenni, D. Granchi, S. Avnet, F. Castelli, D. Micieli, M.D. Sarpietro, R. Pignatello, N. Baldini

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R. Pignatello, T. Musumeci, L. Vicari, I. Giannone, L. Adamo, M. Gulisano, G. Puglisi

PSWC 2007; Amsterdam, 22-25 Aprile 2007

80. Polymeric osteotropic nanoparticles for targeting antitumor agents to metastatic bone tissues

F. Castelli, D. Micieli, M. G. Sarpietro, E. Cenni, C. Fotia, D. Granchi, N. Baldini, R. Pignatello

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81. In vitro antitumor effects of bone-targeted nanoparticles loaded with doxorubicin

M. Salerno, C. Fotia, E. Cenni, D. Granchi, S. Avnet, F. Castelli, D. Micieli, M.D. Sarpietro, R. Pignatello, N. Baldini

VII Meeting of Molecular Oncology; Positano, 14-17 maggio 2007

82. Lipopeptidi di interesse immunologico: studi di interazione con modelli di biomembrana mediante DSC

F. Castelli, M.G. Sarpietro, D. Micieli, R. Pignatello

47° Simposio AFI – Rimini, 13-15 Giugno 2007

83. Nanostructured lipid carriers (NLC) for topical delivery of lutein

A.H.S. Stancampiano, D. Paolino, F. Cilurzo, R. Pignatello, G. Puglisi

Convention CRS, 47° Simposio AFI – Rimini, 13-15 Giugno 2007

84. Blood Compatibility and Cytocompatibility of Osteotropic Nanoparticles for Drug Delivery in Bone Diseases

E Cenni, C. Fotia, M. Salerno, D. Granchi, S. Avnet, F. Castelli, D. Micieli, M.G. Sarpietro, R. Pignatello, A. Giunti, N. Baldini

21st European Conference on Biomaterials; Brighton, UK, September 9-13, 2007 (p. 153)

85. Valutazione tecnologica di nuovi co-polimeri per il drug delivery

T. Musumeci, G. Carnemolla, G. Impallomeni, R. Pignatello, A. Ballistreri, G. Puglisi

AIM XVIII, Convegno Italiano di Scienza e Tecnologia delle Macromolecole; Catania, 16- 20 settembre 2007

86. Acyclovir- β -cyclodextrin prodrugs: an *in vitro* evaluation for oral administration

C.A. Ventura, S. Tommasini, I. Giannone, T. Musumeci, R. Stancanelli, R. Pignatello, G. Puglisi

1st Conference on "Innovation in Drug Delivery: From Biomaterials to Devices"; Napoli, 30 Settembre - 3 Ottobre 2007

87. Melatonin loaded PLGA-nanospheres: a potential carrier for ocular administration

T. Musumeci, I. Giannone, C. Bucolo, R. Pignatello, G. Puglisi

1st Conference on "Innovation in Drug Delivery: From Biomaterials to Devices"; Napoli, 30 Settembre - 3 Ottobre 2007

88. Antitumor effects of bone-targeted nanoparticles loaded with doxorubicin on breast cancer cell lines.

M. Salerno, C. Fotia, E. Cenni, D. Granchi, S. Avnet, F. Castelli, D. Micieli, M.D. Sarpietro, R. Pignatello, N. Baldini.

METABRE/BRECOSM Breast Cancer and Metastasis Conference, Roma, 5-7 dicembre 2007

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Davos, Switzerland, 9-14 marzo 2008 (Atti pubblicati su: Bone 42, Suppl. 1, S106, 2008)
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6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Barcelona, April 7-10, 2008
91. **Technological evaluation of novel co- and ter-polymers for the drug delivery**
T. Musumeci, G. Carnemolla, G. Impallomeni, A. Ballistreri, R. Pignatello and G. Puglisi.
6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Barcelona, April 7-10, 2008
92. **Citotoxicity and intracellular accumulation studies of paclitaxel-loaded PLGA nanoparticles**
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93. **Preparation of amiodarone-modified β -cyclodextrins inclusion complexes: physico-chemical characterization.**
I. Giannone, C. Ventura, R. Pignatello and G. Puglisi.
6th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Barcelona, April 7-10, 2008
94. **A differential scanning calorimetry study on a naproxen lipophilic prodrug designed to improve the drug ability to cross the blood-brain barrier**
F. Castelli, M. G. Sarpietro, D. Micieli, V. Pantò and R. Pignatello
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95. **Effects of bone-targeted nanoparticles on bone metastasis.**
M. Salerno, C. Fotia, S. Avnet, E. Cenni, D. Granchi, F. Castelli, D. Micieli, R. Pignatello, N. Rucci, A. Teti, A. Giunti, N. Baldini.
ECTS 35th European Symposium on Calcified Tissues.
Barcelona, Spain, 24-28 maggio 2008.
96. **Doxorubicin-loaded poly(D,L-lactide-co-glycolide)-alendronate nanoparticles for the treatment of bone cancer: characterization and in vitro antineoplastic activity.**
C. Fotia, Elisabetta Cenni, M. Salerno, D. Granchi, S. Avnet, F. Castelli, D. Micieli, MG. Sarpietro, R. Pignatello, N. Baldini.
8th World Biomaterials Congress
Amsterdam, The Netherlands, 28 maggio-1 giugno 2008

97. Osteotropic poly(D,L-lactide-co-glycolide)-alendronate nanoparticles for the treatment of bone cancer.

E. Cenni, M. Salerno, C. Fotia, S. Avnet, D. Granchi, F. Castelli, D. Micieli, R. Pignatello, M. Capulli, N. Rucci, A. Teti, N. Baldini.

II International Meeting on Cancer Induced Bone Disease

Edinburgh, Scotland, 29 giugno – 2 luglio 2008

(Atti pubbl. Su: Cancer Treatment Reviews, 34, Suppl. 1, 2008. Abstract P50 p. S74)

98. Characterization and evaluation of PEG-LAA as “surface modifiers” of nanocarriers.

V. Pantò, R. Pignatello, G. Puglisi

8° corso Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico –

Farmaceutiche: Sistemi vescicolari: recent advances in vesicle drug carriers.

Arcavacata di Rende (CS), Settembre 2008

99. Physico-chemical characterization and in vitro evaluation of “stealth” colloidal delivery systems.

L. Basile, R. Pignatello, G. Puglisi.

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Salerno M, Fotia C, Avnet S, Cenni E, Granchi D, Castelli F, Miceli D, Pignatello R, Rucci N, Teti A, Baldini N.

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Messina, 12-13 settembre 2008. Abstract p. 65

101. Biodegradable nanoparticulate carriers for taxane drug delivery

T. Musumeci, R. Pignatello, G. Puglisi

Anticancer drug delivery: new perspectives in tumour targeting - Thematic workshop

of Controlled Release Society Italian Chapter; Padova, 28-29 Novembre 2008

102. Biological assessment of nanoparticles made of a new bone-seeking polymeric conjugate for antitumor drug targeting.

D. Micieli, M. Salerno, C. Fotia, E. Cenni, D. Granchi, S. Avnet, M. G. Sarpietro, F. Castelli,

N. Baldini, R. Pignatello

The 36th Annual Meeting and Exposition of the Controlled Release Society;

Copenhagen, July 18-22, 2009

103. Improved interaction of naproxen with biomembrane models by its conjugation with lipoamino acids

F. Castelli, M. G. Sarpietro, D. Micieli, S. Ottimo, M. C. Giuffrida, L. Basile, R. Pignatello

The 36th Annual Meeting and Exposition of the Controlled Release Society;

Copenhagen, July 18-22, 2009

104. New amphiphilic derivatives of poly(ethylene glycol) as surface modifiers of colloidal drug carriers

R. Pignatello, V. Pantò, L. Basile, V. Cardile, E. Craparo, G. Impallomeni, G. Puglisi, A. Ballistreri

The 36th Annual Meeting and Exposition of the Controlled Release Society;

Copenhagen, July 18-22, 2009

105. Influence of drug lipophilicity on the physico-chemical characteristics of PLGA-PEG nanoparticles

T. Musumeci, R. Pignatello, C.A. Ventura, G. Puglisi
XXI Simposio ADRITELF; Cagliari, 10-13 Settembre 2009

106. Model for investigating NSAIDs with a potential application in Alzheimer disease

A. Campisi, L. Basile, G. Raciti, R. Acquaviva, R. Pignatello, G. Puglisi
*54th National Meeting of the Italian Society of Biochemistry and Molecular Biology (SIB)
Catania, 23-27 Settembre 2009*

107. Ampliamento dello spettro di attività della vancomicina nei confronti di batteri gram-negativi mediante incapsulazione in liposomi fuso genici.

D. Nicolosi, G. Blandino, C. Genovese, S. Matrojeni, R. Pignatello, M. Scalia, V.M. Nicolosi
*37° Congresso Nazionale della Società Italiana di Microbiologia
Torino, 11-14 Ottobre 2009*

108. Amphiphilic derivatives of poly(oxyethylen)glycol (PEG) and their use in pharmaceutical drug delivery systems

R. Pignatello, V. Pantò, G. Puglisi, A. Ballistreri, G. Impallomeni
1^ Giornata delle Biotecnologie Catanesi; Catania, 20 Giugno 2009

109. A prolonged release polymeric nanocarrier for ocular administration

Musumeci T, Pignatello R, Bucolo C, Puglisi G
1^ Giornata delle Biotecnologie Catanesi; Catania, 20 Giugno 2009

110. Advanced Drug Delivery approaches for improving drug efficacy and performance.

Puglisi G, Pignatello R, Montenegro L, Musumeci T, Carbone C
1^ Giornata delle Biotecnologie Catanesi; Catania, 20 Giugno 2009

111. Effectiveness of osteotropic nanoparticles on bone metastases.

Salerno M, Fotia C, Avnet S, Cenni E, Granchi D, Castelli F, Miceli D, Pignatello R, Rucci N, Teti A, Giunti A, Baldini N.
*IX International Meeting on Cancer Induce Bone Disease.
Arlington (VA, USA), 28-31 ottobre 2009. Abstract p. 162-163.*

112. New amphiphilic derivatives of poly(ethylene glycol) as surface modifiers of colloidal drug carriers.

L. Basile, R. Pignatello, G. Puglisi, J. P. Benoit, C. Passirani
24th Annual Meeting of the G.T.R.V.; Paris, December, 7-9th, 2009

113. Serum-stable, long-circulating paclitaxel-loaded colloidal carriers modified with new amphiphilic derivatives of PEG-LAA

L. Basile, R. Pignatello, G. Puglisi
10[^] Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico - Farmaceutiche. Arcavacata di Rende (CS), Settembre 2010

109. In vitro/in vivo evidences of the efficacy of novel amphiphilic derivatives of PEG for producing long-circulating lipid-based nanocarriers

L. Basile, C. Passirani, J.P. Benoit, G. Puglisi, R. Pignatello
*7th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology
La Valletta, Malta, March 8-11, 2010*

110. In vitro assessment of the sterical stabilization of colloidal carriers decorated with novel amphiphilic PEG derivatives

R. Pignatello, L. Basile, T. Musumeci, V. Cardile, L. Vicari, D. Martinetti, M. Gulisano, G. Puglisi

*2nd Conference Innovation in Drug Delivery: From preformulation to development through innovative evaluation process
Aix-en-Provence (France), October 3-6, 2010*

111. Serum-stable, long-circulating paclitaxel-loaded nanocarriers modified with new amphiphilic derivatives of PEG-LAA

L. Basile, C. Passirani, N.-T. Huynh, J. Béjaud, J.P. Benoit, R. Pignatello

*2nd Conference Innovation in Drug Delivery: From preformulation to development through innovative evaluation process
Aix-en-Provence (France), October 3-6, 2010*

112. Nanoparticles from novel polyesters for doxorubicin delivery

T. Musumeci, R. Pignatello, A. Ballistreri, G. Impallomeni, G.M. Carnemolla, V. Cardile, S.P.P. Guglielmino, C. Frezza, G. Puglisi

2nd Conference Innovation in Drug Delivery: From preformulation to development through innovative evaluation process; Aix-en-Provence (France), October 3-6, 2010

113. Efficacy of different melatonin formulations in an experimental model of sepsis

T. Musumeci, G. Li Volti, R. Pignatello, G. Puglisi

51° Simposio AFI - CRS Italian Chapter ; Rimini, June 8-10, 2011 (Abstract, p. 209-10)

114. Nanoscaled lipid drug delivery systems for ferulic acid release

C. Carbone, T. Musumeci, R. Pignatello, M.R. Lauro, G. Puglisi

XXII Simposio ADRITELF; Firenze, 10-16 Settembre 2012 (Atti, p. 64)

115. Preparazione e valutazione microbiologica di coppie ioniche anfifiliche kanamicina-lipoamminoacido

R. Pignatello, A. Leonardi, G. P. Petronio, B. Ruozi, G. Puglisi, P. M. Furneri

*41° Congresso Nazionale della Società Italiana di Microbiologia;
Riccione, 13-16 Ottobre 2013*

116. A screening of technological features and ocular tolerability of surfactant agents used for the production of lipid nanocarriers

A. Leonardi, S. Cupri, C. Bucolo, G.L. Romano, F. Drago, G. Puglisi, R. Pignatello

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117. In vitro biocompatibility assessment of novel polyester biopolymers and derived nanoparticles

T. Musumeci, C. Carbone, D. Ramos López, J. de Lapuente, M. Borràs Suárez, G. Impallomeni, A. Ballistreri, S. P.P. Guglielmino, G. Puglisi, R. Pignatello

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118. Optimization of lipid nanocarriers as a technological platform for the ocular delivery of bioactives.

R. Pignatello, A. Leonardi, C. Carbone, T. Musumeci, S. Cupri, G. Puglisi

Proceedings of the 9th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Lisbon. March 31-April 3, 2014; p. 191

- 119. Lowering of intraocular pressure by melatonin loaded in cationic solid lipid nanoparticles**
A. Leonardi, C. Bucolo, S. Salomone, F. Drago, G. Puglisi, R. Pignatello
Proceedings of the 9th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Lisbon. March 31-April 3, 2014; p. 3
- 120. Technology assessment of new biodegradable polyesters for drug delivery**
S. Cupri, T. Musumeci, R. Pignatello
Proceedings of the 9th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Lisbon. March 31-April 3, 2014; p. 245
- 121. Calorimetric study of the interaction of a lipophilic peptide prodrug with a biomembrane model**
M. Sarpietro, M. Accolla, N. Santoro, F. Mansfeld, R. Pignatello, I. Toth, F. Castelli
Proceedings of the 9th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology; Lisbon. March 31-April 3, 2014; p. 263
- 122. Preparation and technological characterization of nanocarriers made by new biodegradable polyesters.**
S. Cupri, G. Puzzo, G. Impallomeni, T. Musumeci, A. Ballistreri, G. Puglisi, R. Pignatello
XXIII National Meeting in Medicinal Chemistry – Salerno (Italy), September 6-9, 2015
- 123. New nanotechnology formulations for HuR siRNA delivery to the retina.**
S. Cupri, C. Bucolo, G.L. Romano, M. Amadio, A. Pascale, C. Bucolo, V. D'Agata, A.G. D'Amico, G. Puglisi, R. Pignatello
XXIII National Meeting in Medicinal Chemistry – Salerno (Italy), September 6-9, 2015
- 124. Interventions against VEGF overexpression, available strategies and future developments**
M. Amadio, C. Bucolo, S. Govoni, F. Drago, V. D'Agata, A.G. D'Amico, S. Cupri, R. Pignatello, A. Pascale
The 2015 European Association for Vision and Eye Research Conference (EVER2015) - Nice (France), October 7-10, 2015
Abstract book: Acta Ophthalmologica - 93, Suppl. S255 (2015)
(DOI: 10.1111/j.1755-3768.2015.0443)
- 125. Nanotechnology approaches for intravitreal release of HuR siRNA.**
R. Pignatello, S. Cupri, Bucolo, G.L. Romano, M. Amadio, A. Pascale, V. D'Agata, A.G. D'Amico, G. Puglisi.
Thematic Workshop of Controlled Release Society Italy Chapter "Micro and nanotechnologies to overcome biologic barriers" - Naples, November 12-14, 2015
Abstract book, pp. 169-170 (2015) (ISBN 978-88-941404-0-8).
- 126. Anti-TRAIL monoclonal antibody-nanoparticle complexes: preliminary studies on macrophage cell line**
Musumeci T, Carbone C, Pignatello R, Ronsisvalle N, Di Benedetto G, Bernardini R, Cantarella G, Puglisi G.
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Abstract book, pp. 151-152 (2015) (ISBN 978-88-941404-0-8)
- 127. Evaluation of nanostructured lipid carriers (NLC) as tools for ophthalmic administration of N-palmitoylethanolamide (PEA)**
C. Puglia, C. Ostacolo, S. Cupri, C. Bucolo, G.L. Romano, F. Geraci, P. Campiglia, D. Tronino, E.M. Sommella, P. Blasi, R. Pignatello
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- 128. Nose to brain delivery: localization and time-course of polymeric nanoparticles on different regions of brain rats.**
T. Musumeci; M.F. Serapide; R. Pellitteri; V. Pepe; C. Carbone; R. Pignatello; A. Bonaccorso; G. Puglisi
10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology Glasgow, UK 4 -7 Aprile 2016
- 129. Effect of ferulic acid-loaded nanostructured lipid carriers on tissue transglutaminase overexpression in human glioblastoma cell lines.**
C. Carbone; A. Campisi; P. Dell'Albani; R. Bonfanti; M. Spatuzza; T. Musumeci; A. Bonfanti; M.R. Lauro; R. Pignatello; G. Puglisi
10th World Meeting on Pharmaceutics, Biopharmaceutics and Pharmaceutical Technology Glasgow, UK 4 -7 Aprile 2016
- 130. Nanoparticles based on PHA of microbiological origin for the ocular delivery of pranoprofen.**
S. Cupri; A. Ballistreri; T. Musumeci; G. Impallomeni; S.P.P. Guglielmino; I. Paterniti; S. Cuzzocrea; G. Puglisi, R. Pignatello
4th Congress on Innovation in Drug Delivery; Antibes (France), September 25-28, 2016.
- 131. Sistemi nanoparticellari lipidici per il drug delivery al segmento posteriore dell'occhio.**
V. Pepe, C. Carbone, S. Cupri, R. Pignatello, G. Puglisi.
Corso della Scuola Dottorale per la Formazione Avanzata in Discipline Tecnologico-Farmaceutiche ; Cagliari, 2016.
- 132. Microencapsulation with methacrylic copolymers improves the oral bioavailability of curcumin**
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