**List of publications**

1. Montenegro, L., Panico, A.M., Santagati, L.M., Siciliano, E.A., Intagliata, S., Modica, M.N. Solid lipid nanoparticles loading idebenone ester with pyroglutamic acid: In vitro antioxidant activity and in vivo topical efficacy. Nanomaterials, 9 (2019) pii: E43.
2. Montenegro L., Santagati L.M. Use of Vegetable Oils to Improve the Sun Protection Factor of Sunscreen Formulations. Cosmetics 6 (2019) pii: E25
3. Montenegro, L., Messina, C.M., Manuguerra, S., Santagati, L.M., Pasquinucci, L., Turnaturi, R., Parenti, C., Arena, R., Santulli, A. In vitro antioxidant activity and in vivo topical efficacy of lipid nanoparticles co-loadingm idebenone and tocopheryl acetate. Appl. Sci. 9 (2019) pii: E0845.
4. Pasquinucci, L., Turnaturi, R., Calò, G., Pappalardo, F., Ferrari, F., Russo, G., Arena, E., Montenegro, L., Chiechio, S., Prezzavento, O., Parenti, C. (2S)-N-2-methoxy-2-phenylethyl-6,7-benzomorphan compound (2S-LP2): Discovery of a biased mu/delta opioid receptor agonist. Eur. J. Med. Chem. 168 (2019) 189-198.
5. Zappalà, A., Vicario, N., Calabrese, G., Turnaturi, R., Pasquinucci, L., Montenegro, L., Spadaro, A., Parenti, R., Parenti, C. Neuroprotective effects of Rosmarinus officinalis L. extract in oxygen glucose deprivation (OGD)-injured human neural-like cells. Nat. Prod. Res. (2019) Apr 2:1-7.
6. Pasquinucci, L., Turnaturi, R., Montenegro, L., Caraci, F., Chiechio, S., Parenti, C. Simultaneous targeting of MOR/DOR: A useful strategy for inflammatory pain modulation. Eur. J. Pharmacol. 847 (2019) 97-102.
7. Messina, C.M., Manuguerra, S., Catalano, G., Arena, R., Cocchi, M., Morghese, M., Montenegro, L., Santulli, A. Green biotechnology for valorisation of residual biomasses in nutraceutic sector: Characterization and extraction of bioactive compounds from grape pomace and evaluation of the protective effects in vitro. Nat Prod Res (2019) Jun 6:1-6.
8. Pasquinucci, L., Parenti, C., Amata, E., Georgoussi, Z., Pallaki, P., Camarda, V., Calò, G., Arena, E., Montenegro, L., Turnaturi, R. Synthesis and structure-activity relationships of cis-N-normetazocine-based LP1 derivatives. Pharmaceuticals, 11 (2018) pii: E40.
9. Turnaturi, R., Montenegro, L., Marrazzo, A., Parenti, R., Pasquinucci, L., Parenti, C. Benzomorphan skeleton, a versatile scaffold for different targets: A comprehensive review. Eur. J. Med. Chem. 155 (2018) 492-502.
10. Montenegro L, Turnaturi R, Parenti C, Pasquinucci L. In Vitro Evaluation of Sunscreen Safety: Effects of the Vehicle and Repeated Applications on Skin Permeation from Topical Formulations. Pharmaceutics 10 (2018) pii: E27.
11. Montenegro L., Turnaturi R., Parenti C., Pasquinucci L. Idebenone: novel strategies to improve its systemic and local efficacy. Nanomaterials 8 (2018) pii: E87.
12. Montenegro L., Sarpietro M.G., Castelli F. Differential scanning calorimetry analyses of idebenone-loaded solid lipid nanoparticles interactions with a model of bio-membrane: a comparison with in vitro skin permeation data. Pharmaceuticals 11 (2018) pii: E138.
13. Montenegro L., Modica M.N., Salerno L., Panico A.M., Crascì L., Puglisi G., Romeo G. In vitro antioxidant activity of idebenone derivative-loaded solid lipid nanoparticles. Molecules 22 (2017) pii: E887.
14. Montenegro L., Pasquinucci L., Zappalà A., Chiechio S., Turnaturi R., Parenti P.Rosemary Essential oil-loaded lipid nanoparticles: in vivo topical activity from gel vehicles. Pharmaceutics 9 (2017) 48.
15. Montenegro L., Lipid-based nanoparticles as carriers for dermal delivery of antioxidants. Curr. Drug Metab. 18 (2017) 469-480.
16. Avellone F., Manuguerra S., Guitta S., Messina C.M., Montenegro L., Santulli A. Antioxidant and antiageing properties, in vitro, of coffee extracts. J. Biol. Res. 90 s1 (2017) 22.
17. Turnaturi R., Pasquinucci L., Parenti C., Kalantari K., Manuguerra S., Arena R., Messina C.M., Santulli A., Montenegro L. Idebenone loaded lipid nanoparticles: evaluation of in vitro antioxidant activity and in vivo topical effects. J. Biol. Res. 90 s1 (2017) 23-24.
18. Montenegro L., Parenti C., Turnaturi R., Pasquinucci L. Resveratrol loaded lipid nanocarriers: correlation between in vitro occlusion factor and in vivo skin hydrating effect. Pharmaceutics Pharmaceutics 9 (2017) pii: E58.
19. Montenegro L., Lai F., Offerta A., Sarpietro M.G., Micicchè L., Maccioni A.M., Valenti D., Fadda A.M. From nanoemulsions to nanostructured lipid carriers: a relevant development in dermal delivery of drugs and cosmetics. J. Drug Deliv. Sci.Tec. 32 (2016) 100-112.
20. Montenegro L. Assessment of sunscreen safety by skin permeation studies: an update. In: Encyclopedia of Dermatology, Pratt M. Ed., Nova Science Publishers, New York, 2016, pp. 1523-1540.
21. Montenegro L., Rapisarda L., Ministeri C., Puglisi G. Effects of lipids and emulsifiers on the physicochemical and sensory properties of cosmetic emulsions containing vitamin E. Cosmetics 2 (2015) 35-47.
22. Montenegro L., Assessment of sunscreen safety by skin permeation studies: an update. In: Sunscreens – Properties, role in skin cancer prevention and health effects, Sharp S.H. Ed., Nova Science Publishers, New York, 2015, pp.95-112.
23. Montenegro L., Trapani A., Fini P., Mandracchia D., Latrofa A., Cioffi N., Chiarantini L., Picceri G.G., Brundu S., Puglisi G. Chitosan nanoparticles for topical co-administration of the antioxidants glutathione and idebenone: characterization and in vitro release. Br. J. Pharm. Res. 4 (2014) 2387-2406.
24. Sarpietro M.G., Accolla M.L., Puglisi G., Castelli F., Montenegro L. Idebenone loaded solid lipid nanoparticles: Calorimetric studies on surfactant and drug loading effects. Int. J. Pharm. 471 (2014) 69–74.
25. Montenegro L., Nanocarriers for skin delivery of cosmetic antioxidants. J. Pharm. Pharmacogn. Res. 2 (2014) 73-92.
26. Montenegro L., Benefits of oral and topical administration of idebenone. J Symptoms Signs 3 (2014) 1-12.
27. Montenegro L., Puglisi G., Evaluation of sunscreen safety by in vitro skin permeation studies: effects of vehicle composition. Pharmazie 68 (2013) 34–40.
28. Sarpietro M.G., Accolla M.L., Puglisi G., Castelli F., Montenegro L., Solid lipid nanoparticles prepared by the phase inversion temperature method as carriers for idebenone. In Recent advances in drug delivery research, Voliani V. Ed., Nova Science Publishers, New York, 2013, pp. 127-148.
29. Montenegro L., Trapani A., Latrofa A., Puglisi G. In vitro evaluation on a model of blood brain barrier of idebenone-loaded solid lipid nanoparticles. J. Nanosci. Nanotechnol. 12 (2012) 330-337.
30. Montenegro L., Ottimo S., Puglisi G., Castelli F., Sarpietro M.G. Idebenone loaded solid lipid nanoparticles interact with biomembrane models. A calorimetric evidence. Molecular Pharmaceutics 9 (2012) 2534-2541.
31. Montenegro L., Sinico C., Castangia I., Carbone C., Puglisi G. Idebenone-loaded solid lipid nanoparticles for drug delivery to the skin: in vitro evaluation. Int. J. Pharm. 434 (2012) 169-174.
32. Montenegro L., Campisi A., Sarpietro M. G., Carbone C., Acquaviva, R., Raciti G., Puglisi G. In vitro evaluation of idebenone-loaded solid lipid nanoparticles for drug delivery to the brain. Drug Dev. Ind. Pharm. 37 (2011) 737-746.
33. Montenegro L., Sarpietro M.G., Ottimo S., Puglisi G., Castelli F., Differential scanning calorimetry studies on sunscreen loaded solid lipid nanoparticles prepared by the phase inversion temperature method. Int. J. Pharm. 415 (2011) 301-306.
34. Montenegro L., Carbone C., Puglisi G. Vehicle effects on in vitro release and skin permeation of octylmethoxycinnamate from microemulsions. Int. J. Pharm. 405 (2011) 162-168.
35. Montenegro L., Carbone C., Paolino D., Drago R., Stancampiano A.H., Puglisi G., In vitro skin permeation of sunscreen agents from O/W emulsions. Int. J. Cosm. Sci. 30 (2008) 57-65.
36. Montenegro L., Carbone C., Maniscalco C., Lambusta D., Nicolosi G., Ventura C.A., Puglisi G., In vitro evaluation of quercetin 3-O-acyl esters as topical prodrugs. Int. J. Pharm. 336 (2007) 257-262.
37. Montenegro L., Carbone C., Giannone I., Puglisi G., Use of solid phase extraction (SPE) to evaluate in vitro skin permeation of aescin. Pharmazie 62 (2007) 342-345.
38. Montenegro L., Paolino D., Drago R., Pignatello R., Fresta M., Puglisi G., Influence of liposome composition on in vitro permeation of diosmin through human stratum corneum and epidermis. J. Drug Del. Sci. Tech. 16 (2006) 133-140.
39. Montenegro L., Carbone C., Milisenda M., Manuele G., Giannazzo E., Puglisi G., Bioresonance as a tool to predict contact dermatitis to cosmetic preservatives. J. Appl. Cosmetol. 24 (2006) 117- 124.
40. Montenegro L., Carbone C., Condorelli G., Drago R., Puglisi G., Effect of oil phase lipophilicity on in vitro drug release from O/W microemulsions with low surfactant content. Drug Dev. Ind. Pharm. 32 (2006) 539-548.
41. Musumeci T., Ventura C.A., Giannone I., Ruozi B., Montenegro L., Pignatello R., Puglisi G., PLA/PLGA nanoparticles for sustained release of docetaxel. Int. J. Pharm. 325 (2006) 172-179.
42. Pignatello R., Montenegro L., Stancampiano A.H.S., Puleo A., Puglisi G., Synthesis and in vitro skin permeation of naproxen conjugates with α-alkylamino acids. Curr. Drug Del. 2 (2005) 185-189.
43. Franco M., Montenegro L., Lopedota A., Trapani G., Puglisi G., Liso G., Effect of some hydrophilic cyclodextrins on the solubility, dissolutioni rate, and in vitro percutaneous penetration of oxazepam. J. Drug Del. Sci. Tech. 1 (2004) 63-68.
44. Montenegro L., Paolino D., Puglisi G., Effects of silicone emulsifiers on in vitro skin permeation of sunscreens from cosmetic emulsions. J. Cosm. Sci. 55 (2004) 509-518.
45. Montenegro L., Bucolo C., Puglisi G., Effects of enhancers on in vitro corneal permeation of timolol and acyclovir. Pharmazie 58 (2003) 497-501.
46. Montenegro L., Lupo G., Puglisi G., Effetto dell'acido ialuronico sulla stabilità e sulle caraterristiche reologiche di emulsioni cosmetiche O/A. Acta Technologiae et Legis Medicamenti 2 (2001) 173-177.
47. Paolino D., Paolino G., Montenegro L., Puglisi G., Evaluation of Centella Asiatica aqueous extract loaded liposomes for the treatment of the cellulitis. Acta Technologiae et Legis Medicamenti 2 (2001) 123-126.
48. Fresta M., Castelli F., Montenegro L., Puglisi G., Interaction of niosomes with phospholipid biomembranes as a predictive parameter in percutaneous absorption. Acta Technologiae et Legis Medicamenti 2 (2001) 157-160.
49. Graviani E., Montenegro L., Proserpio G., Emulsioni con sodio stearoil lattillattato. Cosmetics & Toiletries Ed. It. 6 (1998) 9-12.
50. Palagiano F., Arenare L., Barbato F., La Rotonda M.I., Quaglia F., Bonina F.P., Montenegro L., de Caprariis P., In vitro and in vivo evaluation of terpenoid esters of indomethacin as dermal prodrugs. Int. J. Pharm. 149 (1997) 171-182.
51. Palagiano F., Bonina F.P., Montenegro L., Biondi A., Sorrentino L., Capasso A., de Caprariis P., Synthesis, stability and anticonvulsant activity of two new GABA prodrugs. Pharmazie 52 (1997) 272-276.
52. Capasso A., Biondi A., Palagiano F., Bonina F.P., Montenegro L., de Caprariis P., Pistorio E., Sorrentino L., Anticonvulsive activity of a new GABA mimetic drug. Eur. Neuropsycopharmacol. 7 (1997) 57-63.
53. Bonina F.P., Montenegro L., De Caprariis P., Palagiano F., Capasso A., Sorrentino L., Pharmacokinetic and pharmacodynamic profile of triethylene glycol indomethacin ester as a new oral prodrug. J. Controlled Release 41 (1996) 187-193.
54. Montenegro L., Panico A.M., Ventimiglia A., Bonina F.P. In vitro retinoic acid release and skin permeation from different liposome formulations. Int. J. Pharm. 133 (1996) 89-96.
55. Bonina F., Montenegro L., In vivo evaluation of radical scavenger compounds in cosmetic formulations by means of skin reflectance spectrophotometry. SOFW J. 122 (1996) 684-688.
56. Bonina F., Lanza M., Montenegro L., Salerno L., Smeriglio P., Trombetta D., Saija A., Transport of alpha-tocopherol and its derivatives through erythrocyte membranes. Pharm. Res. 13 (1996) 1343-1347.
57. Montenegro L., Panico A.M., Bonina F., Quantitative determination of hydrophobic compound entrapment in dipalmitoylphosphatidylcholine liposomes by differential scanning calorimetry. Int. J. Pharm. 138 (1996) 191-197.
58. Palagiano F., de Caprariis P., Bonina F.P., Montenegro L., Capasso A., Sorrentino L., Profilo farmacocinetico e farmacodinamico dell'estere triossietilenico dell'indometacina come nuovo profarmaco orale. Boll. Chim. Farm. 135 (1996) 89-91.
59. Montenegro L., Ademola J.I., Bonina F.P., Maibach H.I., Effect of application time of betamethasone-17-valerate 0.1% cream on skin blanching and stratum corneum drug concentration. Int. J. Pharm. 140 (1996) 51-60.
60. Montenegro L., Bonina F.P., Dederen J.C., In vivo photoprotective effect of bis(carboxyethyl)germanium sesquioxide. J. Soc. Cosm. Chem. 47 (1996) 307-313.
61. Bonina F.P., Lanza M., Montenegro L., Scalese M., Tomaino A., Trombetta D., Castelli F., Saija A., Flavonoids as potential protective agents against photooxidative skin damages. Int. J. Pharm. 145 (1996) 87-94.
62. Mariani E., Neuhoff C., Bargagna A., Bonina F., Montenegro L., Synthesis and in vitro studies of benzyliden derivatives of 1,3,3-trimethyl-2-oxabicyclo[2.2.2.]octan-6-one as potential UV filters. Proceedings of the 19th IFSCC Congress, Sidney, 1996.
63. Bonina F.P., Montenegro L., Scrofani N., Esposito E., Cortesi R., Menegatti E., Nastruzzi C., Effects of phospholipid based formulations on in vitro and in vivo percutaneous absorption of methyl nicotinate. J. Controlled Release 34 (1995) 53-63.
64. Bonina F.P., Montenegro L., De Caprariis P., Palagiano F., Trapani G., Liso G., In vitro and in vivo evaluation of polyoxyethyelene indomethacin esters as dermal prodrugs. J. Controlled Release 34 (1995) 223-232.
65. Saija A., Bonina F., Trombetta D., Tomaino A., Montenegro L., Smeriglio P., Castelli F., Flavonoid-biomembrane interactions: a calorimetric study on dipalmitoylphosphatidylcholine vesicles. Int. J. Pharm. 124 (1995) 1-8.
66. Montenegro L., Bonina F., Rigano L., Giogilli S., Sirigu S., Protective effect evaluation of free radical scavengers on UVB induced human cutaneous erythema by skin reflectance spectrophotometry. Int. J. Cosm. Sci. 17 (1995) 91-103.
67. Bonina F.P., Montenegro L., Trapani G., Franco M., Liso G., In vitro evaluation of N-acyllactam esters of indomethacin as dermal prodrugs. Int. J. Pharm. 124 (1995) 45-51.
68. Montenegro L., Panico A.M., Bonina F.P., Evaluation of liposome loaded with retinoic acid: differential scanning calorimetry analysis, in vitro release and skin permeation. Acta Technologiae et Legis Medicamenti 3 (1995) 232-242.
69. Bonina F.P., Montenegro L., Vehicle effects on in vitro heparin release and skin permeation from different gels. Int. J. Pharm. 102 (1994) 19-24.
70. Bonina F.P., Castelli F., Montenegro L., Mazzone G., Partitioning and differential scanning calorimetry studies of N- alkyllactame ester dermal prodrugs of indomethacin. Int. J. Pharm. 106 (1994) 115-123.
71. Bonina F.P., Montenegro L., Effects of some non-toxic penetration enhancers on in vitro heparin skin permeation from gel vehicles. Int. J. Pharm. 111 (1994) 191-196.
72. De Caprariis P., Palagiano F., Bonina F., Montenegro L., D'Amico M., Rossi F., Synthesis and pharmacological evaluation of oligoethylene ester derivatives as indomethacin oral prodrugs. J. Pharm. Sci. 83 (1994) 1578-1581.
73. Bonina F., Montenegro L., La Rosa C., Gasparri F., Leonardi R., Comparison of different separative techniques in the quantitative determination of active compound enclosed in liposomal systems. Int. J. Cosm. Sci. 16 (1994) 183-197.
74. Scalia S., Guarneri M., Bonina F., Montenegro L., Ruberto G., Analysis of vitamin A palmitate and vitamin E acetate in cosmetics by supercritical fluid extraction and RP-HPLC. Preprint 18th IFSCC Congress, Venezia 1994, vol. poster pp. 541-545.
75. Bonina F.P., Montenegro L., Micali G., West D.P., Palicharla P., Koch R.L., In vitro percutaneous absorption evaluation of phenobarbital through hairless mouse, adult and premature human skin. Int. J. Pharm. 98 (1993) 93-99.
76. Bonina F.P., Carelli V., Di Colo G., Montenegro L., Nannipieri E., Vehicle effects on in vitro skin permeation of and stratum corneum affinity for model drugs caffeine and testosterone. Int. J. Pharm. 100 (1993) 41-47.
77. Bonina F.P., Montenegro L., Guerrera F., Naproxen 1- alkylazacicloalkan-2-one esters as dermal prodrugs: in vitro evaluation. Int. J. Pharm. 100 (1993) 99-105.
78. Bonina F.P., Montenegro L., Penetration enhancer effects on in vitro percutaneous absorption of heparin sodium salt. Int. J. Pharm. 82 (1992) 171-177.
79. Bonina F., Bader S., Montenegro L., Scrofani C., Visca M., Three phase emulsions for controlled delivery in the cosmetic field. Int. J. Cosm. Sci. 14 (1992) 65-74.
80. Bousquet E., Tirendi S., Bonina F.P., Montenegro L., Bianchi A., Ciampini N., Bioavailability of two formulations of acetylsalicylic acid gums. Pharmazie 47 (1992) 607-609.
81. Gasparri F., La Rosa C., Bonina F., Leonardi R., Montenegro L., Vaccariello R., Quantitative determination of active enclosed in the liposomial system: a comparisom between different separative techniques. Preprint 17th IFSCC Congress, Yokohama 1992, vol. 1, pp. 152-171.
82. Bonina F.P., Montenegro L., Effects of penetration enhancers on in vitro heparin percutaneous absorption from aqueous solutions and gel formulations. In: Tissue Cultures in Cosmetic Biotechnology, R. Gambari and C. Nastruzzi Eds., Nocenti 1992, pp. 95-103.
83. Bonina F.P., Montenegro L., De Caprariis P., Bousquet E., Tirendi S., 1-Alkylazacycloalkan-2-one esters as prodrugs of indomethacin for improved delivery through human skin. Int. J. Pharm. 77 (1991) 21-29.