

1. N. Cardullo, D. Calcagno, L. Pulvirenti, C. Sciacca, M. G. G. Pittalà, A. E. Maccarronello, F. Thevenard, V. Muccilli. Flavonoids with lipase inhibitory activity from lemon squeezing waste: isolation, multispectroscopic and in silico studies. *Journal of the Science of Food and Agriculture*, <https://doi.org/10.1002/jsfa.13600>, **2024**.
2. C. Sciacca, N. Cardullo, L. Pulvirenti, G. Travagliante, A. D'Urso, R. D'Agata, E. Peri, P. Cancemi, A. Cornu, D. Deffieux, L. Pouységu, S. Quideau. Synthesis of obovatol and related neolignan analogues as α -glucosidase and α -amylase inhibitors. *Bioorganic Chemistry* **147**, 107392, **2024**.
3. I. da Silva Zanzarini, D. H. Kita, G. Scheiffer, K. K. dos Santos, J. de Paula Dutra, M. A. Pastore, F. G. de Moraes Rego, G. Picheth, S. V. Ambudkar, L. Pulvirenti, N. Cardullo, V. Rotuno Moure, V. Muccilli, C. Tringali, G. Valdameri. Magnolol derivatives as specific and noncytotoxic inhibitors of breast cancer resistance protein (BCRP/ABCG2). *Bioorganic Chemistry* **146**, 107283, **2024**.
4. A. E. Maccarronello, N. Cardullo, M. A. Silva, A. Di Francesco, P. C. Costa, F. Rodrigues, V. Muccilli. From waste to bioactive compounds: A response surface methodology approach to extract antioxidants from *Pistacia vera* shells for postprandial hyperglycaemia management. *Food Chemistry* **443**, 138503, **2024**.
5. V. Muccilli, A. E. Maccarronello, C. Rasoanandrasana, N. Cardullo, M. S. de Luna, M. G.G. Pittalà, P. M. Riccobene, S. Caroccio, A. A. Scamporrino. Green3: A green extraction of green additives for greene plastics. *Heliyon* **10**, e24469, **2024**.
6. D. Santonocito, M. Delli Carri, A. Campisi, G. Sposito, R. Pellitteri, G. Raciti, N. Cardullo, G. Aquino, M. G. Basilicata, G. Pepe, R. Pignatello, C. Puglia. Steroidal Alkaloids from Food Waste of Tomato Processing Inhibit Neuroblastoma Cell Viability. *International Journal of Molecular Sciences* **24**, 16915, **2023**.
7. T. Silvestri, F. D'Aria, F. Villapiano, F. Scala, L. Mayol, D. Aleo, N. Cardullo, S. F. Graziano, M. Biondi, C. Giancola. Physico-chemical studies of inclusion complex between hydrocortisone and cyclodextrins. *Journal of Molecular Liquids* **390**, 123031, **2023**.
8. A. K. Singh, H. M. N. Iqbal, N. Cardullo, V. Muccilli, J. Fernández-Lucas, J. E. Schmidt, T. Jesionowski, M. Bilal. Structural insights, biocatalytic characteristics, and application prospects of lignin-modifying enzymes for sustainable biotechnology. *International Journal of Biological Macromolecules* **242**, 124968, **2023**.
9. C. Sciacca, N. Cardullo, L. Pulvirenti, A. Di Francesco, V. Muccilli. Evaluation of honokiol, magnolol and of a library of new nitrogenated neolignans as pancreatic lipase inhibitors. *Bioorganic Chemistry* **134**, 106455, **2023**.
10. C. Sciacca, N. Cardullo, V. Muccilli. 2,3-Bis((E)-4-hydroxybenzylidene)-N1,N4-bis(4-methylbenzyl)succinamide. *Molbank* **1**, M1558, **2023**.
11. S. Russo, C. Torrasi, N. Cardullo, V. Muccilli, A. La Mantia, F. Castelli, R. Acquaviva, M.G. Sarpietro. Ethyl Protocatechuate Encapsulation in Solid Lipid Nanoparticles: Assessment of Pharmacotechnical Parameters and Preliminary In Vitro Evaluation for Colorectal Cancer Treatment. *Pharmaceutics* **15**, 394, **2023**.
12. N. Cardullo, F. Monti, V. Muccilli, R. Amorati, A. Baschieri. Reaction with ROO• and HOO• Radicals of Honokiol-Related Neolignan Antioxidants. *Molecules* **28**, 735, **2023**.
13. C. Torrasi, N. Cardullo, S. Russo, A. La Mantia, R. Acquaviva, V. Muccilli, F. Castelli, M.G. Sarpietro. Benzo[k,l]xanthene Lignan-Loaded Solid Lipid Nanoparticles for Topical Application: A Preliminary Study. *Molecules* **27**, 5887, **2022**.
14. C. Torrasi, N. Cardullo, V. Muccilli, C. Tringali, F. Castelli, M.G. Sarpietro. Characterization and Interaction with Biomembrane Model of Benzo[k,l]xanthene Lignan Loaded Solid Lipid Nanoparticles. *Membranes* **12**, 615, **2022**.
15. N. Cardullo, V. Muccilli, C. Tringali. Laccase-mediated synthesis of bioactive natural products and their analogues. *RSC Chemical Biology* **3**, 617–647, **2022**.

- 16.N. Cardullo, V. Muccilli, V. Di Stefano, S. Bonacci, L. Sollima, M.G. Melilli. Spaghetti Enriched with Inulin: Effect of Polymerization Degree on Quality Traits and α -Amylase Inhibition. *Molecules* 27, 2482, **2022**.
- 17.N. Cardullo, G. Floresta, A. Rescifina, V. Muccilli, C. Tringali. Synthesis and in vitro evaluation of chlorogenic acid amides as potential hypoglycemic agents and their synergistic effect with acarbose. *Bioorganic Chemistry* 117, 105458, **2021**.
- 18.N. Cardullo, M. Leanza, V. Muccilli, C. Tringali. Valorization of agri-food waste from pistachio hard shells: extraction of polyphenols as natural antioxidants. *Resources* 10, 45, **2021**.
- 19.N. Cardullo, V. Muccilli, L. Pulvirenti, C. Tringali*. Natural isoflavones and semisynthetic derivatives as pancreatic lipase inhibitors. *Journal of Natural Products* 84, 654 – 665, **2021**.
- 20.L.-M. Tumir, I. Zonjić, K. Žuna, K., S. R. Brkanac, M. Jukić, A. Huđek, K. Durgo, I. Crnolatac, L. Glavaš-Obrovac, N. Cardullo, L. Pulvirenti, V. Muccilli, C. Tringali, M. R. Stojković. Synthesis, DNA/RNA-interaction and biological activity of benzo[*k*,*l*]xanthene lignans. *Bioorganic Chemistry* 104, 104190, **2020**.
- 21.G. Floresta, N. Cardullo, C. Spatafora, A. Rescifina, C. Tringali. A rare natural benzo[*k*,*l*]xanthene as a turn-off fluorescent sensor for Cu^{2+} ion. *International Journal of Molecular Sciences* 21, 6933, **2020**.
- 22.N. Cardullo, V. Muccilli, V. Cunsolo, C. Tringali. Mass Spectrometry and $^1\text{H-NMR}$ Study of *Schinopsis lorentzii* (Quebracho) tannins as a source of hypoglycemic and antioxidant principles. *Molecules* 25, 3257, **2020**.
- 23.V. Muccilli, A. Vitale, L. Sheng, A. Gentile, N. Cardullo, C. Tringali, C. Oliveri, R. La Rosa, M. Di Guardo, S. La Malfa, Z. Deng, G. Distefano. Substantial equivalence of a transgenic lemon fruit showing postharvest fungal pathogens resistance. *Journal of Agricultural and Food Chemistry* 68, 3806 – 3816, **2020**.
- 24.N. Cardullo, V. Barresi, V. Muccilli, G. Spampinato, M. D'Amico, D. F. Condorelli, C. Tringali. Synthesis of Bisphenol neolignans inspired by honokiol as antiproliferative agents. *Molecules* 25, 733, **2020**.
- 25.C. Genovese, L. Pulvirenti, N. Cardullo, V. Muccilli, G. Tempera, D. Nicolosi, C. Tringali. Bioinspired benzoxanthene lignans as a new class of antimycotic agents: synthesis and *Candida* spp. growth inhibition. *Natural Product Research* 34, 1653–1662, **2020**.
- 26.N. Cardullo, V. Muccilli, L. Pulvirenti, A. Cornu, L. Pouységu, D. Deffieux, S. Quideau, C. Tringali. C-glucosidic ellagitannins and galloylated glucoses as potential functional food ingredients with anti-diabetic properties: a study of α -glucosidase and α -amylase inhibition. *Food Chemistry* 313, 126099, **2020**.
- 27.J. Gerstmeier, C. Kretzer, S. Di Micco, L. Miek, H. Butschek, V. Cantone, R. Bilancia, R. Rizza, F. Troisi, N. Cardullo, C. Tringali, A. Ialenti, A. Rossi, G. Bifulco, O. Werz, S. Pace. Novel benzoxanthene lignans that favorably modulate lipid mediator biosynthesis: a promising pharmacological strategy for anti-inflammatory therapy. *Biochemical Pharmacology* 165, 263 – 274, **2019**.
- 28.M. Spinaci, D. Bucci, V. Muccilli, N. Cardullo, C. Nerozzi, G. Galeati. A polyphenol-rich extract from an oenological oak-derived tannin influences in vitro maturation of porcine oocytes. *Theriogenology* 129, 82 – 89, **2019**.
- 29.N. Cardullo, G. Catinella, G. Floresta, V. Muccilli, S. Rosselli, A. Rescifina, M. Bruno, C. Tringali. Synthesis of rosmarinic acid amide as antioxidative and hypoglycemic agents. *Journal of Natural Products* 82, 573 – 582, **2019**.
- 30.V. M. Bhusainahalli, A. Rescifina, N. Cardullo, C. Spatafora, C. Tringali*. Bio-activated intramolecular anti -aza-Michael addition: stereoselective synthesis of hydantoin derivatives. *New Journal of Chemistry* 42, 18348 – 18357, **2018**.
- 31.S. Di Micco, L. Pulvirenti, I. Bruno, S. Terracciano, A. Russo, M. C. Vaccaro, D. Ruggiero, V. Muccilli, N. Cardullo, C. Tringali, R. Riccio, G. Bifulco. Identification by inverse virtual screening of magnolol-based scaffold as new tankyrase-2 inhibitors. *Bioorganic & Medicinal Chemistry* 26, 3953 – 3957, **2018**.
- 32.N. Cardullo, V. Muccilli, R. Saletti, S. Giovando, C. Tringali. A mass spectrometry and $^1\text{H NMR}$ study of hypoglycemic and antioxidant principles from a *Castanea sativa* tannin employed in oenology. *Food Chemistry* 268, 585 – 593, **2018**.
- 33.M. Spinaci, V. Muccilli, D. Bucci, N. Cardullo, B. Gadani, C. Tringali, C. Tamanini, G. Galeati. Biological effects of polyphenol-rich extract and fractions from an oenological oak-derived tannin on in vitro swine sperm capacitation and fertilizing ability. *Theriogenology* 108, 284 – 290, **2017**.

34. A. Capolupo, A. Tosco, M. Mozzicafreddo, C. Tringali, N. Cardullo, M. C. Monti, A. Casapullo. Proteasome as a new target for bio-inspired benzo[*k,l*]xanthene lignans. *Chemistry A European Journal* 23, 8371 – 8374, **2017**.
35. L. Pulvirenti, V. Muccilli, N. Cardullo, C. Spatafora, C. Tringali. Chemoenzymatic synthesis and α -glucosidase inhibitory activity of dimeric neolignans inspired by magnolol. *Journal of Natural Products* 80, 1648 – 1657, **2017**.
36. V. Muccilli, N. Cardullo, C. Spatafora, V. Cunsolo, C. Tringali. α -Glucosidase inhibition and antioxidant activity of an oenological commercial tannin. Extraction, fractionation and analysis by HPLC/ESI-MS/MS and ^1H NMR. *Food Chemistry* 215, 50 – 60, **2017**.
37. N. Cardullo, L. Pulvirenti, C. Spatafora, N. Musso, V. Barresi, D. F. Condorelli, C. Tringali. Dihydrobenzofuran neolignanamides: laccase-mediated biomimetic synthesis and antiproliferative activity. *Journal of Natural Products* 79, 2122 – 2134, **2016**.
38. S. Di Micco, C. Spatafora, N. Cardullo, R. Riccio, K. Fisher, C. Pergola, A. Koeberle, O. Werz, M. Chalal, D. Vervandier-Fasseur, C. Tringali, G. Bifulco. 2,3-Dihydrobenzofuran privileged structures as new bioinspired lead compounds for the design of mPGES-1 inhibitors. *Bioorganic & Medicinal Chemistry* 24, 820 – 826, **2016**.
39. N. Cardullo, C. Spatafora, N. Musso, V. Barresi, D. Condorelli, C. Tringali. Resveratrol-related polymethoxystilbene glycosides: synthesis, antiproliferative activity and glycosidase inhibition. *Journal of Natural Products* 78, 2675 - 2683, **2015**.
40. R. Chillemi, N. Cardullo, V. Greco, G. Malfa, B. Tomasello, S. Sciuto. Synthesis of amphiphilic resveratrol lipoconjugates and evaluation of their anticancer activity towards neuroblastoma SH-SY5Y cell line. *European Journal of Medicinal Chemistry* 96, 467 – 481, **2015**.
41. S. Y. Ng, N. Cardullo, S. C. Ming Yeo, C. Spatafora, C. Tringali, P. S. Ong, H. S. Lin. Quantification of resveratrol analogs trans-2,3-dimethoxystilbene and trans-3,4-dimethoxystilbene in rat plasma: application to pre-clinical pharmacokinetic study. *Molecules* 19, 9577-9590, **2014**.