# Europass Curriculum Vitae

## Personal information


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| First name(s) / Surname(s) | **Daniela Secci** |
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| Fax(es) | |
| E-mail | daniela.secci@uniroma1.it |
| Nationality | Italian |
| Date of birth | |
| Gender | Female |
| **Occupational field** | Pharmaceutical Chemistry CHIM08 |
| **Scopus Author Identifier** | 6602810282 |
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## Work experience

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| Dates | From<br>- 2021 up to now: Full Professor of Pharmaceutical and Toxicology Chemistry<br>- 2005 - 2021: Associate Professor of Pharmaceutical and Toxicology Chemistry<br>- 1990-2004: Researcher of Pharmaceutical Chemistry<br>- 1984-1990 Laboratory Technician |
| Occupation or position held | Full Professor of Pharmaceutical and Toxicological Chemistry (Analysis III) and Pharmaceutical Biotechnologies at Pharmacy and Medicine Faculty of Sapienza University of Rome. |

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| Main activities and responsibilities | Referent for the Pharmaceutical Department of Pharmacy and Medicine Faculty of "Soul- Sistema Orientamento Università Lavoro" (Placement).<br>Educational Activity:<br>University of Cagliari:<br>- 1990-91, 1991-92, 1992-93 e 1993-94 Practical lessons of "Esercitazioni di Chimica Farmaceutica e Tossicologica 1°" and of "Analisi dei Medicinali I" -<br>- 1994-95 e 1995-96 in charge of "Analisi dei Farmaci I".<br>- 1990 al 1996 tutor in the course of "Preparazione Estrattiva e Sintetica dei Farmaci" –<br>University of Rome "La Sapienza"<br>- 2001 - 2004, practical lessons of "Analisi dei Medicinali"<br>- 2002-2003 e 2003-2004 in charge of "Analisi Chimico Farmaceutica e Tossicologica"<br>- 2004-2005 in charge of "Analisi Chimico Farmaceutica e Tossicologica 1<br>- 2005-2015 professor of "Analisi Chimico Farmaceutica e Tossicologica I<br>- 2015-2021 professor of "Analisi Chimico Farmaceutica e Tossicologica III<br>- 2019 professor of Biotecnologie Farmaceutiche<br><br>The scientific activity concerns:<br><br>1. Studies of synthesis and reaction mechanism of carbon dioxide with different substrates for the formation of molecules with potential biological activity (research activity carried out during the first years of undergraduate research)<br>2. Studies on the mechanism and on the anionic activation of phase transfer reactions and applications to nucleophilic substitution reactions (research activity carried out in collaboration with the Department of Organic and Industrial Chemistry of the University of Milan)<br>3. Separation by selective stereo HPLC of biologically active chiral molecules<br>(research activity still carried out in collaboration with the Istituto Superiore di Sanità)<br>4. Design, synthesis and biological evaluation of new compounds active on Helicobacter pylori, on Candida strains and on other antimicrobial agents (activity carried out in collaboration with the collaboration with the Department of Public Health of the University of Rome La Sapienza, with the Institute of Microbiology of the University of Milan and with the Stanley Division of Developmental Neurovirology, Johns Hopkins University School of Medicine, of Baltimore)<br>5. Design, synthesis and biological evaluation of new selective inhibitors on monoamine oxidases, MAO-A and MAO-B, (current line of research documented by numerous papers, carried out since 2002 to date).numerous works, carried out since 2002 to date, first, as regards the biochemical assays, with Dept. biochemical assays, with Dept. of Biochemical Sciences "A. Rossi Fanelli". University of Rome La Sapienza" University of Rome and, as far as computational studies are concerned, with the Dept. of Pharmacological Pharmacobiological Sciences, University of Catanzaro "Magna Græcia", then in collaboration with the<br>Department of Pharmacology, Facultad de Farmacia, University of Santiago de Compostela,<br>Spain and with the Pharmaceutical Chemistry and Centre of Excellence for Pharmaceutical Sciences, School of Pharmacy, North-West University, South Africa.<br>6. Design, synthesis and biological evaluation of novel epigenetic modulators with particular acetyltransferase inhibitors (HATs) with apoptotic and cytodifferentiating activity (current cytodifferentiating activity (current research activity in collaboration with the laboratory of Experimental Chemotherapy - Regina Elena Institute of Rome)<br>7. Design, synthesis and biological evaluation of new selective inhibitors of IX and XII isoforms of carbonic anhydrase.<br>XII isoforms of carbonic anhydrase for the treatment of cancer pathologies (current line of research in collaboration with the Department of Pharmacy, 'G. D'Annunzio' University of Chieti-Pescara, the Department of Pharmacology of the Faculty of Pharmacy of Fatih, Istanbul,<br>Turkey and the Neuropharmacy Department, Section of Pharmaceutical and Nutraceutical Sciences of the University of Florence).<br>8. Responsible and coordinator of a Project on the development and characterization of monoclonal antibodies for therapeutic use isolated from transgenic plants currently in progress under a research project POR FESR LAZIO.<br>9. Responsible and coordinator of the Life 2020 Project NUCFARNA "New Classes of Neurological and Antidepressant Drugs, in oral solid form, oriented to both contract manufacturing and new AICs, new methodologies of process, supervision and control, and rapid reparameterization pilot scale - industrial".<br><br>She is co-authors in more than 130 publications on refereed International Journals. |
| Name and address of employer | Daniela Secci, Department of Chemistry and Pharmaceutical Technologies, P.le Aldo Moro 5 – 00185 Rome |
| Sector | Pharmaceutical Chemistry (SSD CHIM/08) |

## Education and training

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| Dates | 2005 – up to today: Associate Professor in Pharmaceutical Chemistry<br>1990 – 2004 – Researcher in Pharmaceutical Chemistry<br>1990 – 1994 – Research training at the Organic and Industrial Chemistry of Milan University<br>1986 – Degree in Chemistry and Pharmaceutical Technologies<br>1984 – Degree in Pharmacy |
| Title of qualification awarded | Associate Professor |
| Name and type of organisation providing education and training | University of Cagliari<br>University of Milan<br>University of Rome |

## Personal skills and competences

Mother tongue(s) **Italian**

Other language(s) **English and French**

| Self-assessment | Understanding | | | | Speaking | | | | Writing | |
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| *European level (*)* | Listening | | Reading | | Spoken interaction | | Spoken production | | | |
| **English** | B2 | Intermediate | B2 | Intermediate | B2 | Intermediate | B2 | Intermediate | B2 | Intermediate |
| **French** | A2 | Basic | A2 | Basic | A2 | Basic | A2 | Basic | A2 | Basic |

*(*) Common European Framework of Reference for Languages*

## Additional information

Appointment made by e-mail

Receiving

## Annexes

Scientific Publication (last 15 years) List below

Works

Patent

LAVAGNA SILVIO MASSIMO, SECCI DANIELA, PADELLA FRANCO. METODO PER LA PREPARAZIONE DI RIFAXIMINA IN STATO AMORFO RM2010A000157

LAVAGNA SILVIO MASSIMO, SECCI DANIELA, PADELLA FRANCO. Nuovo metodo per la preparazione di antibiotici in stato amorfo e prodotti utilizzando detto metodo. RM2009A000686

LAVAGNA SILVIO MASSIMO, SECCI DANIELA, PADELLA FRANCO. FULL AMORPHOUS RIFAXIMIN AND METHODS FOR ITS PREPARATION EP2401282

Silvio Massimo Lavagna, Daniela Secci, Franco Padella. METHOD FOR THE PRODUCTION OF AMORPHOUS RIFAXIMIN US 8,952,159B2

Scientific Pubblications

1. Sisto, F., Carradori, S., Guglielmi, P., Spano, M., **Secci, D**., Granese, A., Sobolev, A.P., Grande, R., Campestre, C., Di Marcantonio, M.C., Mincione, G. Synthesis and Evaluation of Thymol-Based Synthetic Derivatives as Dual-Action Inhibitors against Different Strains of H. pylori and AGS Cell Line Molecules (2021) 26 (7).

2. D'Ascenzio, M., **Secci, D**., Carradori, S., Zara, S., Guglielmi, P., Cirilli, R., Pierini, M., Poli, G., Tuccinardi, T., Angeli, A., Supuran, C.T., 1,3-Dipolar Cycloaddition, HPLC Enantioseparation, and Docking Studies of Saccharin/Isoxazole and Saccharin/Isoxazoline Derivatives as Selective Carbonic Anhydrase IX and XII Inhibitors J. Med. Chem. (2020) 63 (5), pp. 2470-2488.

3. Carradori, S., **Secci, D**., Guglielmi, P., Pierini, M., Cirilli, R. High-performance liquid chromatography enantioseparation of chiral 2-(benzylsulfinyl) benzamide derivatives on cellulose tris(3,5-dichlorophenylcarbamate) chiral stationary phase (2020) Journal of Chromatography A, 1610, art. no. 460572.

4. Guglielmi, P., Mathew, B., **Secci, D.,** Carradori, S. Chalcones: Unearthing their therapeutic possibility as monoamine oxidase B inhibitors European Journal of Medicinal Chemistry (2020) 205, art. no. 112650.

5. Maccelli, A., Cesa, S., Cairone, F., **Secci, D.,** Menghini, L., Chiavarino, B., Fornarini, S., Crestoni, M.E., Locatelli, M. Metabolic profiling of different wild and cultivated Allium species based on high-resolution mass spectrometry, high-performance liquid chromatography-photodiode array detector, and color analysis Journal of Mass Spectrometry (2020) 55 (11), art. no. e4525.

6. Sisto, F., Carradori, S., Guglielmi, P., Traversi, C.B., Spano, M., Sobolev, A.P., **Secci, D.,** Di Marcantonio, M.C., Haloci, E., Grande, R., Mincione, G.Synthesis and biological evaluation of carvacrol-based derivatives as dual inhibitors of H. Pylori strains and ags cell proliferation Pharmaceuticals (2020) 13 (11), art. no. 405, pp. 1-21.
7. Luisi, G., Carradori, S., Grande, R., **Secci, D.,** Guglielmi, P. Antimalarial agents from medicinal plant and fungal sources Plant-derived Bioactives: Production, Properties and Therapeutic Applications (2020) pp. 297-334.

8. Guglielmi, P., Rotondi, G., **Secci, D**., Angeli, A., Chimenti, P., Nocentini, A., Bonardi, A., Gratteri, P., Carradori, S., Supuran, C.T. Novel insights on saccharin- and acesulfame-based carbonic anhydrase inhibitors: design, synthesis, modelling investigations and biological activity evaluation Journal of Enzyme Inhibition and Medicinal Chemistry (2020) 35 (1), pp. 1891-1905.

9. Veschi, S., Carradori, S., De Lellis, L., Florio, R., Brocco, D., **Secci, D**., Guglielmi, P., Spano, M., Sobolev, A.P., Cama, A. Synthesis and evaluation of a large library of nitroxoline derivatives as pancreatic cancer antiproliferative agents Journal of Enzyme Inhibition and Medicinal Chemistry (2020) 35 (1), pp. 1331-1344.

10. Martile, M.D., Gabellini, C., Desideri, M., Matraxia, M., Farini, V., Valentini, E., Carradori, S., Ercolani, C., Buglioni, S., **Secci, D.,** Andreazzoli, M., Bufalo, D.D., Trisciuoglio, D. Inhibition of lysine acetyltransferases impairs tumor angiogenesis acting on both endothelial and tumor cells Journal of Experimental and Clinical Cancer Research (2020) 39 (1), art. no. 103.

11. Guglielmi, P., Carradori, S., Ammazzalorso, A., **Secci, D**. Novel approaches to the discovery of selective human monoamine oxidase-B inhibitors: is there room for improvement? (2019) Expert Opinion on Drug Discovery, 14 (10), pp. 995-1035.

12. Guglielmi, P., Carradori, S., Poli, G., **Secci, D.,** Cirilli, R., Rotondi, G., Chimenti, P., Petzer, A., Petzer, J.P. Design, synthesis, docking studies and monoamine oxidase inhibition of a small library of 1-acetyl- and 1-thiocarbamoyl-3,5- diphenyl-4,5-dihydro-(1h)-pyrazoles (2019) Molecules, 24 (3), art. no. 484.

13. **Secci, D**., Locatelli, M., Kabir, A., Salvatorelli, E., Macedonio, G., Mollica, A., Carradori, S. Investigation on the stability of new biologically active thiosemicarbazone- derived compounds by a validated HPLC-PDA method (2019) Current Analytical Chemistry, 15 (3), pp. 313-320.

14. **Secci, D**., Carradori, S., Petzer, A., Guglielmi, P., D'Ascenzio, M., Chimenti, P., Bagetta, D., Alcaro, S., Zengin, G., Petzer, J.P., Ortuso, F. 4-(3-Nitrophenyl) thiazol-2-ylhydrazone derivatives as antioxidants and selective hMAO-B inhibitors: synthesis, biological activity and computational analysis (2019) Journal of Enzyme Inhibition and Medicinal Chemistry, 34 (1), pp. 597-612.

15. Rotondi, G., Guglielmi, P., Carradori, S., **Secci, D**., De Monte, C., De Filippis, B., Maccallini, C., Amoroso, R., Cirilli, R., Akdemir, A., Angeli, A., Supuran, C.T. Design, synthesis and biological activity of selective hCAs inhibitors based on 2-(benzylsulfinyl) benzoic acid scaffold (2019) Journal of Enzyme Inhibition and Medicinal Chemistry, 34 (1), pp. 1400-1413.

16. Guglielmi, P., **Secci, D**., Petzer, A., Bagetta, D., Chimenti, P., Rotondi, G., Ferrante, C., Recinella, L., Leone, S., Alcaro, S., Zengin, G., Petzer, J.P., Ortuso, F., Carradori, S. Benzo[b]tiophen-3-ol derivatives as effective inhibitors of human monoamine oxidase: design, synthesis, and biological activity (2019) Journal of Enzyme Inhibition and Medicinal Chemistry, 34 (1), pp. 1511-1525.

17. Carradori, S., **Secci, D**., Petzer, J.P. MAO inhibitors and their wider applications: a patent review (2018) Expert Opinion on Therapeutic Patents, 28 (3), pp. 211-226.

18. Bellusci, M., Guglielmi, P., Masi, A., Padella, F., Singh, G., Yaacoub, N., Peddis, D., **Secci, D**.; Magnetic Metal-Organic Framework Composite by Fast and Facile Mechanochemical Process (2018) Inorganic Chemistry, 57 (4), pp. 1806-1814.

19. Mocan, A., Carradori, S., Locatelli, M., **Secci, D**., Cesa, S., Mollica, A., Riga, S., Angeli, A., Supuran, C.T., Celia, C., Di Marzio, L. Bioactive isoflavones from Pueraria lobata root and starch: Different extraction techniques and carbonic anhydrase inhibition (2018) Food and Chemical Toxicology, 112, pp. 441-447.

20. Carradori, S., **Secci, D**., Faggi, C., Cirilli, R. A chromatographic study on the exceptional chiral recognition of 2-(benzylsulfinyl) benzamide by an immobilized-type chiral stationary phase based on cellulose tris(3,5-dichlorophenylcarbamate) (2018) Journal of Chromatography A, 1531, pp. 151-156.

21. Boutaoui, N., Zaiter, L., Benayache, F., Benayache, S., Cacciagrano, F., Cesa, S., **Secci, D**., Carradori, S., Giusti, A.M., Campestre, C., Menghini, L., Locatelli, M. Atriplex mollis Desf. aerial parts: Extraction procedures, secondary metabolites and color analysis (2018) Molecules, 23 (8), art. no. 1962.

22. Carradori, S., Ortuso, F., Petzer, A., Bagetta, D., De Monte, C., **Secci, D*.,** De Vita, D., Guglielmi, P., Zengin, G., Aktumsek, A., Alcaro, S., Petzer, J.P. Design, synthesis and biochemical evaluation of novel multi-target inhibitors as potential anti-Parkinson agents (2018) European Journal of Medicinal Chemistry, 143, pp. 1543-1552.

23. D'ascenzio, M., Guglielmi, P., Carradori, S., **Secci, D**., Florio, R., Mollica, A., Ceruso, M., Akdemir, A., Sobolev, A.P., Supuran, C.T. Open saccharin-based secondary sulfonamides as potent and selective inhibitors of cancer-related carbonic anhydrase IX and XII isoforms (2017) Journal of Enzyme Inhibition and Medicinal Chemistry, 32 (1), pp. 51-59.

24. Ferrante, C., Recinella, L., Locatelli, M., Guglielmi, P., **Secci, D**., Leporini, L., Chiavaroli, A., Leone, S., Martinotti, S., Brunetti, L., Vacca, M., Menghini, L., Orlando, G. Protective Effects Induced by Microwave-Assisted Aqueous Harpagophytum Extract on Rat Cortex Synaptosomes Challenged with Amyloid β- Peptide (2017) Phytotherapy Research, 31 (8), pp. 1257-1264.

25. Locatelli, M., Ferrante, C., Carradori, S., **Secci, D**., Leporini, L., Chiavaroli, A., Leone, S., Recinella, L., Orlando, G., Martinotti, S., Brunetti, L., Vacca, M., Menghini, L. Optimization of Aqueous Extraction and Biological Activity of Harpagophytum procumbens Root on Ex Vivo Rat Colon Inflammatory Model (2017) Phytotherapy Research, 31 (6), pp. 937-944.

26. Pierini, M., Carradori, S., Menta, S., **Secci, D.,** Cirilli, R. 3-(Phenyl-4-oxy)-5-phenyl-4,5-dihydro-(1H)-pyrazole: A fascinating molecular framework to study the enantioseparation ability of the amylose (3,5-dimethylphenylcarbamate) chiral stationary phase. Part II. Solvophobic effects in enantiorecognition process (2017) Journal of Chromatography A, 1499, pp. 140-148.

27. Nescatelli, R., Carradori, S., Marini, F., Caponigro, V., Bucci, R., De Monte, C., Mollica, A., Mannina, L., Ceruso, M., Supuran, C.T., **Secci, D**. Geographical characterization by MAE-HPLC and NIR methodologies and carbonic anhydrase inhibition of Saffron components (2017) Food Chemistry, 221, pp. 855-863.

28. Carradori, S., **Secci, D**., Bizzarri, B., Chimenti, P., De Monte, C., Guglielmi, P., Campestre, C., Rivanera, D., Bordón, C., Jones-Brando, L. Synthesis and biological evaluation of anti-Toxoplasma gondii activity of a novel scaffold of thiazolidinone derivatives (2017) Journal of Enzyme Inhibition and Medicinal Chemistry, 32 (1), pp. 746-758.

29. Rinaldi, F., Hanieh, P.N., Longhi, C., Carradori, S., **Secci, D**., Zengin, G., Ammendolia, M.G., Mattia, E., Del Favero, E., Marianecci, C., Carafa, M. Neem oil nanoemulsions: characterisation and antioxidant activity (2017) Journal of Enzyme Inhibition and Medicinal Chemistry, 32 (1), pp. 1265-1273.

30. Carradori, S., Bizzarri, B., D'Ascenzio, M., De Monte, C., Grande, R., Rivanera, D., Zicari, A., Mari, E., Sabatino, M., Patsilinakos, A., Ragno, R., **Secci, D*.** Synthesis, biological evaluation and quantitative structure-active relationships of 1,3-thiazolidin-4-one derivatives. A promising chemical scaffold endowed with high antifungal potency and low cytotoxicity (2017) European Journal of Medicinal Chemistry, 140, pp. 274-292.

31. Gidaro, M.C., Alcaro, S., **Secci, D.,** Rivanera, D., Mollica, A., Agamennone, M., Giampietro, L., Carradori, S. Identification of new anti-Candida compounds by ligand-based pharmacophore virtual screening (2016) Journal of Enzyme Inhibition and Medicinal Chemistry, 31 (6), pp. 1703-1706.

32. Carradori, S., Pierini, M., Menta, S., **Secci, D.,** Fioravanti, R., Cirilli, R. 3-(Phenyl-4-oxy)-5-phenyl-4,5-dihydro-(1H)-pyrazole: A fascinating molecular framework to study the enantioseparation ability of the amylose (3,5-dimethylphenylcarbamate) chiral stationary phase. Part I. Structure-enantioselectivity relationships (2016) Journal of Chromatography A, 1467, pp. 221-227.

33. **Secci, D**., Carradori, S., Bizzarri, B., Chimenti, P., De Monte, C., Mollica, A., Rivanera, D., Zicari, A., Mari, E., Zengin, G., Aktumsek, A. Novel 1,3-thiazolidin-4-one derivatives as promising anti- Candida agents endowed with anti-oxidant and chelating properties (2016) European Journal of Medicinal Chemistry, 117, pp. 144-156.

34. Carradori, S., **Secci, D*.,** De Monte, C., Mollica, A., Ceruso, M., Akdemir, A., Sobolev, A.P., Codispoti, R., De Cosmi, F., Guglielmi, P., Supuran, C.T. A novel library of saccharin and acesulfame derivatives as potent and selective inhibitors of carbonic anhydrase IX and XII isoforms (2016) Bioorganic and Medicinal Chemistry, 24 (5), pp. 1095-1105.

35. Menta, S., Carradori, S., Siani, G., **Secci, D**., Mannina, L., Sobolev, A.P., Cirilli, R., Pierini, M. Elucidation of the mechanisms governing the thermal diastereomerization of bioactive chiral 1,3,4-thiadiazoline spiro-cyclohexyl derivatives towards their anancomeric stereoisomers (2016) RSC Advances, 6 (75), pp. 71262-71272.

36. De Monte, C., Carradori, S., Bizzarri, B., Bolasco, A., Caprara, F., Mollica, A., Rivanera, D., Mari, E., Zicari, A., Akdemir, A., **Secci, D.** Anti-Candida activity and cytotoxicity of a large library of new N-substituted-1,3-thiazolidin-4-one derivatives (2016) European Journal of Medicinal Chemistry, 107, pp. 82-96.

37. Di Martile, M., Desideri, M., De Luca, T., Gabellini, C., Buglioni, S., Eramo, A., Sette, G., Milella, M., Rotili, D., Mai, A., Carradori, S., **Secci, D**., De Maria, R., Del Bufalo, D., Trisciuoglio, D. Histone acetyltransferase inhibitor CPTH6 preferentially targets lung cancer stem-like cells (2016) Oncotarget, 7 (10), pp. 11332-11348.

38. Menta, S., Carradori, S., **Secci, D**., Faggi, C., Mannina, L., Cirilli, R., Pierini, M. The Anancomeric Character of the Pharmacophore 1,3,4-Thiadiazoline Framework in Chiral Spiro-Cyclohexyl Derivatives: Effects on Stereochemistry and Spiro-Junction Lability. Thermodynamic Aspects (2015) Journal of Organic Chemistry, 80 (24), pp. 11932-11940.

39. De Monte, C., Carradori, S., **Secci, D.,** D'Ascenzio, M., Guglielmi, P., Mollica, A., Morrone, S., Scarpa, S., Aglianò, A.M., Giantulli, S., Silvestri, I. Synthesis and pharmacological screening of a large library of 1,3,4-thiadiazolines as innovative therapeutic tools for the treatment of prostate cancer and melanoma (2015) European Journal of Medicinal Chemistry, 105, pp. 245-262.

40. Carradori, S., Mannina, L., De Cosmi, F., Beccarini, T., **Secci, D**., Sobolev, A.P. Optimization of the microwave-assisted extraction of azadirachta indica (Neem) leaves using NMR-based metabolic fingerprinting (2015) Current Bioactive Compounds, 11 (3), pp. 142-145.

41. D'Ambrosio, K., Carradori, S., Monti, S.M., Buonanno, M., **Secci, D.,** Vullo, D., Supuran, C.T., De Simone, G. Out of the active site binding pocket for carbonic anhydrase inhibitors (2015) Chemical Communications, 51 (2), pp. 302-305.
42. De Monte, C., Carradori, S., **Secci, D.,** D'Ascenzio, M., Vullo, D., Ceruso, M., Supuran, C.T. Cyclic tertiary sulfamates: Selective inhibition of the tumor-associated carbonic anhydrases IX and XII by N- and O-substituted acesulfame derivatives (2014) European Journal of Medicinal Chemistry, 84, pp. 240-246.

43. D'Ascenzio, M., Bizzarri, B., De Monte, C., Carradori, S., Bolasco, A., **Secci, D.,** Rivanera, D., Faulhaber, N., Bordón, C., Jones- Brando, L. Design, synthesis and biological characterization of thiazolidin-4-one derivatives as promising inhibitors of Toxoplasma gondii (2014) European Journal of Medicinal Chemistry, 86, pp. 17-30.

44. D'Ascenzio, M., Carradori, S., **Secci, D**., Vullo, D., Ceruso, M., Akdemir, A., Supuran, C.T. Selective inhibition of human carbonic anhydrases by novel amide derivatives of probenecid: Synthesis, biological evaluation and molecular modelling studies (2014) Bioorganic and Medicinal Chemistry, 22 (15), pp. 3982-3988.

45. De Monte, C., Carradori, S., Chimenti, P., **Secci, D**., Mannina, L., Alcaro, F., Petzer, A., N'Da, C.I., Gidaro, M.C., Costa, G., Alcaro, S., Petzer, J.P. New insights into the biological properties of Crocus sativus L.: Chemical modifications, human monoamine oxidases inhibition and molecular modeling studies (2014) European Journal of Medicinal Chemistry, 82, pp. 164-171.

46. Chimenti, F., Bizzarri, B., Bolasco, A., **Secci, D**., Chimenti, P., Granese, A., Carradori, S., Rivanera, D., Zicari, A., Scaltrito, M.M., Sisto, F. Erratum: Synthesis, selective anti-Helicobacter pylori activity, and cytotoxicity of novel N-substituted-2-oxo-2H-1-benzopyran-3-carboxamides Bioorg. Med. Chem. Lett. (2010) 20 (4922-4926)) (2014) Bioorganic and Medicinal Chemistry Letters, 24 (12), p. 2786.

47. Carradori, S., Rotili, D., De Monte, C., Lenoci, A., D'Ascenzio, M., Rodriguez, V., Filetici, P., Miceli, M., Nebbioso, A., Altucci, L., **Secci, D.*,** Mai, A. Evaluation of a large library of (thiazol-2-yl)hydrazones and analogues as histone acetyltransferase inhibitors: Enzyme and cellular studies (2014) European Journal of Medicinal Chemistry, 80, pp. 569-578.

48. D'Ascenzio, M., Carradori, S., **Secci, D.,** Mannina, L., Sobolev, A.P., De Monte, C., Cirilli, R., Yáñez, M., Alcaro, S., Ortuso, F. Identification of the stereochemical requirements in the 4-aryl-2-cycloalkylidenhydrazinylthiazole scaffold for the design of selective human monoamine oxidase B inhibitors (2014) Bioorganic and Medicinal Chemistry, 22 (10), pp. 2887-2895.

49. D'Ascenzio, M., Carradori, S., De Monte, C., **Secci, D.,** Ceruso, M., Supuran, C.T. Design, synthesis and evaluation of N-substituted saccharin derivatives as selective inhibitors of tumor-associated carbonic anhydrase XII (2014) Bioorganic and Medicinal Chemistry, 22 (6), pp. 1821-1831.

50. **Secci, D**., Carradori, S., Bizzarri, B., Bolasco, A., Ballario, P., Patramani, Z., Fragapane, P., Vernarecci, S., Canzonetta, C., Filetici, P. Synthesis of a novel series of thiazole-based histone acetyltransferase inhibitors (2014) Bioorganic and Medicinal Chemistry, 22 (5), pp. 1680-1689.

51. Lenoci, A., Tomassi, S., Conte, M., Benedetti, R., Rodriguez, V., Carradori, S., **Secci, D.,** Castellano, S., Sbardella, G., Filetici, P., Novellino, E., Altucci, L., Rotili, D., Mai, A. Quinoline-based p300 histone acetyltransferase inhibitors with Pro-apoptotic activity in human leukemia U937 cells (2014) ChemMedChem, 9 (3), pp. 542-548.

52. Carradori, S., D'Ascenzio, M., Chimenti, P., **Secci, D.,** Bolasco, A. Selective MAO-B inhibitors: A lesson from natural products (2014) Molecular Diversity, 18 (1), pp. 219-243.

53. Materazzo, S., Carradori, S., Ferretti, R., Gallinella, B., **Secci, D.,** Cirilli, R. Effect of the water content on the retention and enantioselectivity of albendazole and fenbendazole sulfoxides using amylose-based chiral stationary phases in organic-aqueous conditions (2014) Journal of Chromatography A, 1327, pp. 73-79.

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