

# Curriculum Vitae

## PERSONAL INFORMATIONS

Surname Radicchi  
Name Miriana  
E-mail miriana.radicchi@uniroma1.it  
Nationality Italian

## WORK EXPERIENCE

- Date (from – to) December 2021-June 2022
- Name and address of employer Farmacia Berardi snc., via fonte del Duomo nr.1, Cagli, 61043 (PU)
- Type of sector Pharmaceutical
- Occupation or position held Pharmacist
- Main activities and responsibilities Serving customers and warehouse management
  
- Date (from – to) September 2020-February 2021  
March 2021-June 2021
- Name and address of employer Farmacia Elce, via Annibale Vecchi nr.51a, Perugia, 06123, (PG)  
Farmacia Berardi snc, via fonte del Duomo nr.1, Cagli, 61043 (PU)
- Type of sector Pharmaceutical
- Occupation or position held Internship
- Main activities and responsibilities Serving customers and warehouse management
  
- Date (from – to) February 2021-July 2021
- Name and address of employer University of Perugia, Department of Pharmaceutical Sciences
- Type of sector Organic chemistry
- Occupation or position held Internship (thesis work as student)
- Main activities and responsibilities Synthesis of new molecules, optimization and scope of reaction and bibliographic research

## EDUCATION AND TRAINING

- Date (from – to) PhD Student in Pharmaceutical Sciences (Oct.2022-ongoing)
- Name and type of organization providing education and training Sapienza, University of Rome, Italy
- Principal subjects/ occupational skills covered Organic Chemistry
  
- Date (from – to) Pharmaceuticals Sciences Sept. 2016 – Oct. 2021
  - Master degree in Pharmaceuticals Sciences
  - Final mark obtained: 110/110 with honors
- Name and type of organization providing education and training University of Perugia, Italy
- Principal subjects/ occupational skills covered Pharmacy and Industrial Pharmacy
- Title of qualification awarded Pharmacist
  
- Date (from – to) High school diploma | Scientific studies 2011 – 2016
- Name and type of organization providing education and training Istituto d'istruzione superiore G. Mazzatinti, Gubbio, Italy

## PERSONAL SKILLS AND COMPETENCES

MOTHER TONGUE Italian

OTHER LANGUAGE English

- reading good

- writing good

- speaking good

## SOCIAL SKILLS AND COMPETENCES

During my thesis period I learned to work in a group where I had the possibility to share with other members ideas, tasks, reports and problems. I also learned to relate to professors responsible of research, both in person and through platforms such as Teams, reporting research status and achievements. By working in a pharmacy I especially learned to listen and understand people needs and to relate with the director and other colleagues.

ORGANISATIONAL SKILLS AND COMPETENCES	Extremely organized, I work by setting tasks and goals: capability to plan study, time and work; management of pharmacy warehouse, people and personal budgets; I always use a diary to plan the work and other engagements. In generally I acquired these competences during school, especially at university, but also at work.
TECHNICAL SKILLS AND COMPETENCES	Computer Skills: Microsoft Office Suite, LaTeX, ChemDraw, MestReNova  Job Related skills: capability to use chemical reagents, solvents, gasses and instruments for the chemical synthesis and characterization of compounds like <sup>1</sup> H-NMR, <sup>13</sup> C-NMR, <sup>77</sup> Se-NMR, UV, IR, GC-MS, HPLC, TLC, polarimeter, ultrasound bath, refractometer; good experience in chromatographic procedures such as normal and flash column chromatography.
ARTISTIC SKILLS AND COMPETENCES	Excellent capability of writing acquired at school (I write poem since I was about 12 years old)
AWARDS	Best graduated student, University of Perugia, 2020-21
DRIVING LICENSE	B
ANNEXES	Poster WSeS-9, Sept.2022, Poland.  Title: Selenofunctionalization of alkenes and synthesis of N-vinyl azoles

### Annex 1. Poster WSeS-9

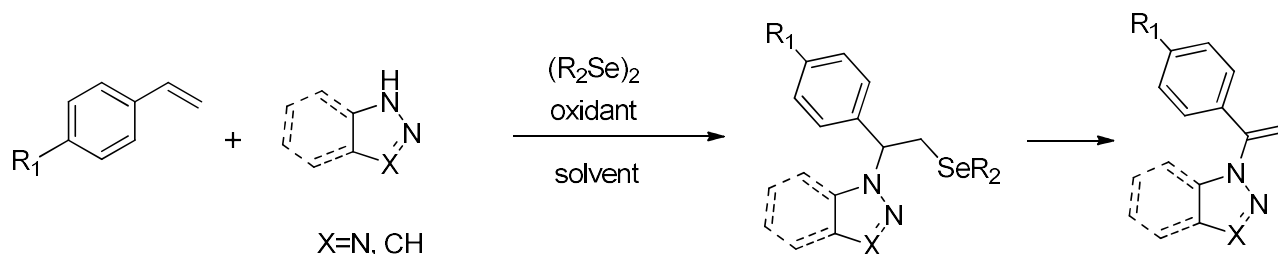
## **Selenofunctionalization of alkenes and synthesis of N-vinyl azoles**

**M. Cocchioni<sup>1</sup>, M. Radicchi<sup>1</sup>, I. F. Coelho Dias<sup>1</sup>, F. Marini<sup>1</sup>, G. Perin<sup>2</sup>, E. J. Lenardão<sup>2</sup>, C. Santi<sup>1</sup>, L. Bagnoli<sup>1\*</sup>**

<sup>1</sup>*Department of Pharmaceutical Sciences, Group of Catalysis, Synthesis and Organic Green Chemistry, University of Perugia, Perugia, Italy*

<sup>2</sup>*Center of Chemical, Food, and Pharmaceutical Sciences, Federal University of Pelotas, Pelotas-RS, Brazil*

Nitrogen compounds play a key role as organic units in pharmaceutical chemistry, natural products and functional materials. An intensive investigation has been directed toward the identification of controlled methods for the insertion of nitrogen atoms into organic molecules. [1] In this field the selenium chemistry has found great utility for its easy introduction, removal or transformation into other functional group. Herein we report an aza-selenofunctionalization of alkenes using different diselenides and azoles as the nitrogen source for the synthesis of N-alkylated nitrogen aromatic derivatives. The β-amino selenides synthesized are versatile synthetic intermediates [2] and the elimination generates N-vinyl azoles, which are important building block for the synthesis of many biologically active molecules and industrial polymers. [3]



Scheme 1. Synthesis of N-alkylated nitrogen aromatic derivatives

## Acknowledgement

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## References

- [1] (a) R. Hill, A. K. Yudin, *Nat. Chem. Biol.*, **2006**, *2*, 284; (b) A. Ricci, *Amino Group Chemistry : From Synthesis to the Life Sciences, 1st ed.*, Wiley-VCH Weinheim, **2007**.
- [2] (a) L. S.Gomes, R.G.Angelino, J.S.S.Neto, I. di Leo, C. Santi, V. Nascimento, *Chem. Proc.*, **2020**, *2*, 8; (b) K. Sun, X. Wang, Y. Lv, G. Li, H. Jiao, C. Dai, Y. Li, C. Zhang, L. Liu, *Chem. Commun.*, **2016**, *52*, 8471-8474; (c) K. Sun; X. Wang, C. Zhang, S. Zhang, Y. Chen, H. Jiao, W. Du *Chem. Asian J.* , **2017**, *12*, 713-717
- [3]Z. Nie, H. Lv, H. Li, M. Su, T. Yang, W. Luo, Q. Liu, C. Guo, *Adv. Synth. Catal.*,, **2021**, *363*, 4621-4626.

Ai fini della pubblicazione in ottemperanza all'art. 15, comma 1, del Decreto legislativo 14 marzo 2013, n. 33.

(MIRIANA RADICCHI)

Autorizzo il trattamento dei miei dati personali ai sensi del D.Lgs 196 del 30 giugno 2003 e dell'art. 13 del Regolamento UE n. 676/2016 del 27.04.2016 “Regolamento generale sulla protezione dati” e del D.Lgs. n. 196/2003 “Codice in materia di protezione dei dati personali”, come modificato dal D.Lgs. n. 101 del 10.08.2018, recante disposizioni per l'adeguamento dell'ordinamento nazionale al Regolamento europeo ai fini della ricerca e selezione del personale.

01/02/2023