

Sami BEN SALAH

Curriculum vitae

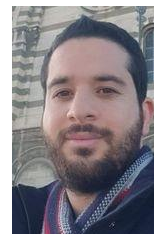
Age: 32 years old

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Languages: French, English, Arabic, Spanish (notions)



Education

2017 - 2021: PhD in organic chemistry - University of Le Havre Normandy

2015 - 2017: Master in chemistry of bioactive molecules - University of Orleans

2014 - 2015: Bachelor of chemistry - University of Orleans

2010 - 2013: Preparatory cycle in biology and geology - Chott-Mariem Institute – Tunisia

Professional experiences

Since June 2023 (19 months): Postdoctoral position

«*New strategy for the treatment of brain stem tumors: multi-step synthesis of PROTACs as kinase inhibitors*». IBMM, University of Montpellier. Supervisor: Prof Nicolas MASURIER

2021 – 2022 (12 months): Postdoctoral position

“*Development of a new strategy to access a generic drug*”. ESPCI Paris, PSL, Paris. Supervisor: Prof Janine COSSY

2017 – 2021: PhD student in Organic Chemistry

«*New polyfunctionalized heterocycles with high biological potential through the use of a pyridonic platform*». URCOM, University of Le Havre Normandie. Supervisors: Dr Ata Martin LAWSON and Prof Adam DAICH

2016 – 2017 (10 months): M1 and M2 Internship in heterocyclic chemistry

«*Design and biological evaluation of protein kinase inhibitors, Synthesis of bioactive molecules*». ICOA - University of Orleans. Supervisor: Prof Sylvain ROUTIER

Collective scientific responsibilities

2018: Organization of a conference, JEDNC 2018, University of Le Havre

2018-2019: Representative of doctoral students at the Normandy Doctoral School of Chemistry

Teaching

2017 – 2019: Teaching mission (80 h): L1 (12 h seminar + 48 h practical lab work), L3 (16h practical lab work)

2019 – 2022: Supervision of 2 internship students

Technical skills

Analytical chemistry: NMR (1D, 2D), IR, LC, GC, MS, Chromatography (Flash and Prep.)

Organic synthesis: Cycloaddition chemistry, organometallic catalysis, enantioselective reactions, multistep synthesis

Publications

1 - Dichotomic Dearomatizations of Benzene vs Pyridine Rings of Sulfonyloxypyridine via (3+2)-Cycloaddition

S. Ben Salah, M. Othman, M. Sanselme, A. Daïch, I. Chataigner, A. M. Lawson, *J. Org. Chem.* **2023**, *88*, 12265–12275.

2 - Five-Membered Nitrogen Heterocycles Synthesis through 1,3-Dipolar Cycloaddition of Non-Stabilized Azomethine Ylides with 2-Pyridone Heteroaromatic Systems as Dipolarophiles

S. Ben Salah, M. Sanselme, Y. Champavier, M. Othman, A. Daïch, I. Chataigner, A. M. Lawson, *Eur. J. Org. Chem.* **2021**, *2021*, 102–116.

3 - Design of new disubstituted imidazo[1,2-b]pyridazine derivatives as selective Haspin inhibitors. Synthesis, binding mode and anticancer biological evaluation

J. Elie, O. Feizbakhsh, N. Desban, B. Josselin, B. Baratte, A. Bescond, J. Duez, X. Fant, S. Bach, D. Marie, M. Place, S. Ben Salah, A. Chartier, S. Berteina-Raboin, A. Chaikuad, S. Knapp, F. Carles, P. Bonnet, F. Buron, S. Routier, S. Ruchaud, *J. Enzyme Inhib. Med. Chem.* **2020**, *35*, 1840–1853.

4 - Synthesis of Sitagliptin by a One-Pot Cross-Metathesis/Amidation Sequence

S. Ben Salah, J. Cossy, Manuscript in preparation.

5 - Design and synthesis of novel *N*-benzyl-2,5-dihydro-1*H*-pyrrolelinked benzopyrimidines conjugates as antimicrobial agents

S. Chortani, S. Ben Salah, A. Daïch, H. Ben Jannet, A. M. Lawson, M. Othman, Manuscript in submission.

Posters and Oral Communications

JCO 2019, Ecole Polytechnique, Palaiseau (**Poster presentation**):

"Synthesis of new heterocycles with biological potentiality through a 2-pyridone platform", S. Ben Salah, I. Chataigner, M. Othman, A. Daich, A. M. Lawson

JEDNC 2018, University of Caen Normandy (**Poster presentation**):

"New heterocycles through a 2-pyridone platform", S. Ben Salah, I. Chataigner, M. Othman, A. Daich, A. M. Lawson

ECHC 2021, Virtual Edition - COBRA Laboratory - University of Rouen. (**Oral communication**):

"Competitive dearomatization of benzene vs pyridine: 1,3-cycloaddition followed by Suzuki-Miyaura coupling on the remaining sulfonyloximine functionality", S. Ben Salah, I. Chataigner, M. Othman, A. Daich, A. M. Lawson

JEDNC 2019, University of Caen Normandy (**Oral communication - Best communication award**):

"Regioselectivity of 1,3-dipolar cycloaddition on diversely substituted 2-pyridone scaffold platform", S. Ben Salah, I. Chataigner, M. Othman, A. Daich, A. M. Lawson

2019, Scientific Day of the Research Federation, University of Rouen Normandy (**180 Seconds Oral communication + Poster**):

"Regioselective modulation of 2-pyridones through 1,3-dipolar cycloaddition with ylides azomethine", S. Ben Salah, I. Chataigner, M. Othman, A. Daich, A. M. Lawson

References

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