



Pr Thierry BESSON



Academic: Research and Teaching

Heterocycles team

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PROFESSIONAL EXPERIENCES

Sept. 2006 - Present-

Full Professor Medicinal Chemistry University of Rouen-Normandie, Pharmacy Department, Rouen, France

Sept. 1993 – Aug. 2006

Assistant-Professor (1993-1999) and Full-Professor (sept. 1999) in organic chemistry, University of La Rochelle, Chemistry Department, La Rochelle, France

1993: Postdoctoral Associate; Advisor: Prof. Charles W. Rees, Imperial College, Chemistry Department, London, UK.

Aug. 1988- Aug. 1989: Officer (2nd Lieutenant) French Army Health Department

EDUCATION

Sept. 1989- Dec.1992

Ph.D. Physics and Chemistry (Organic), University of Orléans, France.

Aug. 1988- Aug. 1989

M.S. Biophysical Chemistry and Molecular Biology, University of Orléans, France.

ADMINISTRATIVE & INSTITUTIONAL RESPONSIBILITIES

2010 - Present: Member of the Directory Council of CNRS-COBRA Laboratory.

2018 – Present: Member of the communication unit of CNRS-COBRA Laboratory.

2008 – Present: Member of the Advisor Commission of faculty specialists - CCSE, section 86 (Pharmacy) – University of Rouen-Normandie, France.

2006 – Present: Member of Scientific Council – Pharmacy Dept. - Health Faculty – University of Rouen-Normandie, France.

2006 – Present: Member of the Department Council – Pharmacy- Health Faculty – University of Rouen-Normandie, France.

RESEARCH INTERESTS

- **Heterocycles as bioactive compounds.**
- **Microwave-assisted chemistry.**
- **Sustainable chemistry, green solvents, Multi-Component Reactions.**
- **Kinases inhibitors for treatment of neurodegenerative diseases (AD and DS) and cancer**

SCIENTIFIC ACHIEVEMENTS

Academic record (h-index: 37)

139 publications, 8 book chapters, 1 patent, 47 invited lectures (academia & industry)

Selected prizes and awards (ou Editorial activities)

Editorial Board Member of:

- *Current Microwave Chemistry (CMIC)* (Bentham Ed.).
- *Pharmaceuticals* – MDPI.
- *Scientia Pharmaceutica* – MDPI.

Exemples d'autres rubriques possibles (sans restriction de place)

SUPERVISION ACTIVITIES

PhD thesis from 1994 to present : 16

Post-docs: 7

TEACHING ACTIVITIES

Medicinal Chemistry in 2nd, 3rd and 4th year of Pharmacy: Chemical structure, synthesis, conception and SAR + metabolism of drugs for treatment of diabetes, pain and inflammation, hormone therapy, central nervous system, cardiovascular, anticancer drugs.

MEMBERSHIPS OF SCIENTIFIC SOCIETIES

Member of the French *Société Chimique de France*

Member of the French *Société de Chimie Thérapeutique*

Member of the Royal Society of Chemistry (1993-2010)

Member of the French *Association Française des Enseignants de Chimie Thérapeutique*

EDITORIAL ACTIVITIES

Editorial Board Member of:

- *Current Microwave Chemistry (CMIC)* (Bentham Ed.).
- *Pharmaceuticals* – MDPI. IF 2019 4.286 Q1 in Pharmacology and Pharmacy
- *Scientia Pharmaceutica* – MDPI. Citescope Scopus 2.9

PUBLICATIONS

1. Besson, T.; Al Neirabeyeh, M.; Viaud, M., C.; Rollin, P. Mitsunobu Thiofunctionalization-Part 2. An Expedient Synthesis of Aza-Heterocycle/Thiosugar Hybrids. *Synth.Commun.* 1990, 20, 1631-1639.
2. Besson, T.; Rollin, P. A Mild One-Step Procedure For The Synthesis of β -Iodo Epoxides From The Corresponding Epoxy-Alcohols. *Synth.Commun.* 1990, 20, 3039-3044.
3. Besson, T.; Coudert, G.; Guillaumet, G. Synthesis and Fluorescent Properties of some Heterobifunctional and Rigidized 7-Aminocoumarins. *J. Heterocycl. Chem.* 1991, 28, 1517-1523.
4. Besson, T.; Joseph, B.; Moreau, P.; Viaud, M. C.; Coudert, G.; Guillaumet, G. Synthesis and Fluorescent Properties of New Heterobifunctional Fluorescent Probes. *Heterocycles* 1992, 34, 273-291.
5. Besson, T.; Hretani, M.; Coudert, G.; Guillaumet G. Convenient Synthesis of 5-Substituted-6-methoxy or 6-hydroxy-2,3-dihydro-1,4-benzodioxins *via* Lithiated Intermediates. *Tetrahedron* 1993, 49, 1421-1430.
6. Csik, G.; Besson, T.; Coudert, G.; Guillaumet, G.; Nocentini, S. Biophysical and Biological Properties of Newly Synthesized Dioxinocoumarin Derivatives I. Dark effects on T7 phage and HeLa Cells. *J. Photochem. Photobiol., B: Biol.* 1993, 19, 119-124.

7. **Besson, T.**; Podona, T.; Baudin, M. L.; Coudert, G.; Guillaumet, G. Fluorescent Probes for 5-HT_{1A} Receptor: Synthesis and Characterization of *N*-Substituted-5-methoxy-3-amino-3,4 dihydro-2H-1-benzopyran Derivatives. *Bioorg. Med. Chem. Lett.* **1993**, *3*, 1935-1940.
8. Vedaldi, D.; Dall'Acqua, F.; **Besson, T.**; Hretani, M.; Coudert, G.; Guillaumet, G.; Rodighiero, G. Studio Delle Interazioni Tra Diossinocumarine E DNA, Sia Allo Stato Fondamentale Che Allo Stato Eccitato. *Rendiconti, Scienze Chimiche e Fisiche, Geologiche, Biologiche e Mediche, B.* **1993**, *127*, 111-127.
9. Csik, G.; Ronto, G.; Nocentini, S.; Averbeck, S.; Averbeck, D.; **Besson, T.**; Coudert, G.; Guillaumet, G. Biophysical and Biological Properties of Newly Synthesized Dioxinocoumarin Derivatives. Part II. Dark and photoinduced effects on T7 phage, yeast and HeLa Cells. *J. Photochem. Photobiol., B: Biol.* **1994**, *24*, 129-139.
10. **Besson, T.**; Ruiz, N.; Coudert, G.; Guillaumet, G. Synthesis of a Benzodioxinic Analog of 8-Methoxypsoralen. *Tetrahedron* **1995**, *51*, 3197-3204.
11. **Besson, T.**; Emayan, K.; Rees, C. W. Benz-3,1-oxazin-4-ones, Benzo-3,1-thiazin-4-ones, and *N*-Arylcyanothioformamides. *J. Chem. Soc., Chem. Commun.* **1995**, 1419-1420.
12. **Besson, T.**; Emayan, K.; Rees, C. W. 1,2,3-Dithiazoles and New Routes to Benz-3,1-oxazin-4-ones, Benzo-3,1-thiazin-4-ones, and *N*-Arylcyanothioformamides. *J. Chem. Soc., Perkin Trans. 1* **1995**, 2097-2102.
13. Cottenceau, G.; **Besson, T.**; Gautier, V.; Rees, C. W.; Pons A. M. Antibacterial Evaluation of novel *N*-Arylimino-1,2,3-dithiazoles and *N*-Arylthioformamides. *Bioorg. Med. Chem. Lett.* **1996**, *6*, 529-532.
14. **Besson, T.**; Rees, C. W. A New Route to 4-Alkoxyquinazoline-2-carbonitrile. *J. Chem. Soc., Perkin Trans 1*, **1996**, 2857-2860.
15. Parker, M. C.; **Besson, T.**; Lamare, S.; Legoy, M. D. Microwave Radiation Can Increase The Rate of Enzyme-catalysed Reactions in Organic Media. *Tetrahedron Lett.*, **1996**, *37*, 8383-8386.
16. **Besson, T.**; Rees, C. W.; Cottenceau, G.; Pons, A. M. Original Acces and Antimicrobial Evaluation of Novel 3,1-Benzoxazin-4-ones, 3,1-Benzothiazin-4-ones and 4-Alkoxyquinazolin-2-carbonitriles. *Bioorg. Med. Chem. Lett.* **1996**, *6*, 2343-2348.
17. Bénéteau, V.; **Besson, T.**; Rees, C. W. Rapid Synthesis of 2-Cyanobenzothiazoles From *N*-Aryliminodithiazoles Under Microwave Irradiation. *Synth. Commun.* **1997**, *27*, 2275-2280.
18. **Besson, T.**; Guillard, J.; Rees, C. W.; Thérissod, M. New Syntheses of Arylthiocyanates from *N*-Arylimino-1,2,3-dithiazoles. *Chem. Commun.* **1997**, 881-882.
19. **Besson, T.**; Guillaumet, G.; Lamazzi, C.; Rees, C. W. Synthesis of 3,1-Benzoxazines, 3,1-Benzothiazines and 3,1-Benzodiazepines *via N*-Arylimino-1,2,3-dithiazoles. *Synlett* **1997**, 704-706.
20. Thiéry, V.; Bénéteau, V.; Guillard, J.; Lamazzi, C.; **Besson, T.**; Cottenceau, G.; Pons, A. M. Antimicrobial Activity of Novel *N*-Arylimino-1,2,3-dithiazoles. *Pharm. Pharmacol. Commun.*, **1998**, *4*, 39-42.
21. **Besson, T.**; Guillard, J.; Rees, C. W.; Thiéry, V. New Syntheses of Aryl isothiocyanates. *J. Chem. Soc., Perkin Trans. 1*, **1998**, 889-892.
22. Thiéry, V.; Rees, C. W.; **Besson, T.**; Cottenceau, G.; Pons, A. M. Antimicrobial Activity of novel *N*-Quinolinylnyl and *N*-Naphthylimino-1,2,3-dithiazoles. *Eur. J. Med. Chem.* **1998**, *33*, 149-153.
23. **Besson, T.**; Dozias, M. J.; Guillard, J.; Jacquault, P.; Legoy, M. D.; Rees, C. W. Microwave Irradiation in the Presence of Solvent: Expeditious Routes to 4-Alkoxyquinazoline-2-carbonitriles and Thiocarbamates *via N*-Arylimino-1,2,3-dithiazoles. *Tetrahedron* **1998**, *54*, 6475-6484.
24. **Besson, T.**; Dozias, M. J.; Guillard, J.; Rees, C.W. New Route to 2-Cyanobenzothiazoles *via N*-Arylimino-1,2,3-dithiazoles. *J. Chem. Soc., Perkin Trans. 1* **1998**, 3925-3926.
25. **Besson, T.**; Guillaumet, G.; Lamazzi, C.; Rees, C. W.; Thiéry, V. *N*-(Cyanothioformyl)indoline; a New Indoline Ring Forming Reaction. *J. Chem. Soc., Perkin Trans. 1* **1998**, 4054-4061.
26. Guillard, J.; **Besson, T.** Synthesis of Novel Dioxinobenzothiazole Derivatives. *Tetrahedron* **1999**, *55*, 5139-5144.
27. **Besson, T.**; Rees, C. W.; Thiéry, V. Convenient Synthesis of Dithiooxamides from *N*-Arylimino-1,2,3-dithiazoles. *Synthesis* **1999**, 1345-1348.

28. Bénéteau, V.; **Besson, T.**; Guillard, J.; Leonce, S.; Pfeiffer, B. Synthesis and *In Vitro* Antitumour Evaluation of Benzothiazole-2-carbonitrile Derivatives. *Eur. J. Med. Chem.* **1999**, *34*, 1053-1060.
29. **Besson, T.**; Guillard, J.; Rees, C. W.. Rapid synthesis of 2-cyanobenzothiazole, Isothiocyanate and Cyanothioformamide Derivatives of Dapsone. *J. Chem. Soc., Perkin Trans. 1*, **2000**, 563-566
30. **Besson, T.**; Guillard, J.; Rees, C. W. Multistep Synthesis of Thiazoloquinazolines under Microwave Irradiation in Solution. *Tetrahedron Lett.* **2000**, *41*, 1027-1030.
31. Soukri, M.; Guillaumet, G.; **Besson, T.**; Aziane, D.; Aadil, M.; Essassi, El M.; Akssira, M. Synthesis of novel 5a,10,14b,15-tetraaza-benzo[a]indeno[1,2-c] anthracen-5-one and benzimidazo[1,2-c]quinazoline derivatives under microwave irradiation. *Tetrahedron Lett.* **2000**, *41*, 5857-5860.
32. Lamazzi, C.; Léonce, S.; Pfeiffer, B.; Renard, P., Guillaumet, G.; Rees, C. W.; **Besson, T.** Expedient Synthesis and Cytotoxic Activity of New Cyano-Indolo[3,2-c]quinolines and Benzimidazo[1,2-c]quinazolines. *Bioorg. Med. Chem. Lett.* **2000**, *10*, 2183-2185.
33. Bénéteau, V.; Pierré, A.; Pfeiffer, B.; Renard, P.; **Besson, T.** Synthesis and antiproliferative evaluation of 7-aminosubstituted pyrroloiminoquinone derivatives. *Bioorg. Med. Chem. Lett.* **2000**, *10*, 2231-2234.
34. Besson, T.; Rees, C.W.; Roe, D.G.; Thiéry, V. Imidazoquinolinethiones from 8-aminoquinolines by a novel peri-participation. *J. Chem. Soc., Perkin Trans. 1* **2000**, 555-561.
35. Bénéteau, V.; **Besson, T.** *Tetrahedron Lett.* **2001**, *42*, 2673-2676. Synthesis of novel pentacyclic pyrrolothiazolobenzoquinolinones, analogs of natural marine alkaloids.
36. Frère, S.; Thiéry, V.; **Besson, T.** Microwave acceleration of the Pechmann reaction on graphite /montmorillonite K10: application to the preparation of 4-substituted 7-aminocoumarins. *Tetrahedron Lett.* **2001**, *42*, 2791-2794.
37. Domon, L.; Le Coeur, C.; Grelard, A.; Thiéry, V.; **Besson, T.** Efficient modified von Niementowski synthesis of novel derivatives of 5a,14b,15-triazabenz[a]indeno[1,2-c]anthracen-5-one from indolo[1,2-c]quinazoline. *Tetrahedron Lett.* **2001**, *42*, 6671-6674.
38. Fînar, A.; Berthault, A.; **Besson, T.**; Guillaumet, G.; Berteina-Raboin S. Microwave Assisted Synthesis of 5-carboxymethoxy-N-acetyltryptamine derivatives. *Tetrahedron Lett.* **2002**, *43*, 787-790.
39. Lamazzi, C.; Chabane, H; Thiéry, V.; Pierré, A.; Léonce, S.; Pfeiffer, B.; Renard, P.; Guillaumet, G.; Besson, T.. Synthesis and cytotoxic evaluation of novel thiazolocarbazoles. *J. Enz. Inhib. Med. Chem.* **2002**, *17*, 397-401
40. Chabane, H; Lamazzi, C.; Thiéry, V.; Guillaumet, G.; Besson, T. Synthesis of novel 2-cyanothiazolocarbazoles analogues of ellipticine. *Tetrahedron Lett.* **2002**, *43*, 2483-2486.
41. Gospodinova, N.; Frère, S.; Thiéry, V.; **Besson, T.** Polyaniline as a new solid base catalyst in microwave assisted organic chemistry. *Studii si Cercetari Stiintifice: Chimie si Inginerie Chimica, Biotehnologii, Industrie Alimentara (Universitatea Bacau)* **2002**, *3*, 59-64.
42. Gospodinova, N.; Grelard, A.; Jeannin, M.; Chitanu, G. C.; Carpov, A.; Thiéry, V.; **Besson, T.** Efficient microwave phosphorylation of microcrystalline cellulose under heterogeneous conditions. *Green Chemistry* **2002**, *4*, 220-222.
43. Thiéry, V.; **Besson, T.** Synthèses d'hétérocycles azotés et soufrés via les 5-arylimino-4-chloro-5H-1,2,3-dithiazoles issus de la condensation d'amines aromatiques avec le sel d'Appel. *Studii si Cercetari Stiintifice: Chimie si Inginerie Chimica, Biotehnologii, Industrie Alimentara (Universitatea Bacau)* **2002**, *3*, 7-16.
44. Alexandre, F.R.; Berecibar, A.; **Besson, T.** Microwave-assisted Niementowski reaction – Back to the roots. *Tetrahedron Lett.* **2002**, *43*, 3911-3913.
45. Fînar, A.; Berthault, A.; **Besson, T.**; Guillaumet, G.; Berteina-Raboin, S. Microwave-assisted solid-phase synthesis of 5-carboxymethyl-N-acetyltryptamine derivatives. *Org. Lett.* **2002**, *4*, 2613-2615.
46. Frère, S.; Thiéry, V.; Bailly, C.; Besson, T.. Novel 6-substituted benzothiazol-2-yl indolo[1,2-c]quinazolines and benzimidazo[1,2-c]quinazolines. *Tetrahedron* **2003**, *59*, 773-779
47. Chabane, H; Lamazzi, C.; Thiéry, V.; Pierré, A.; Léonce, S.; Pfeiffer, B.; Renard, P.; Guillaumet, G.; Besson, T. Synthesis and cytotoxic evaluation of novel thiazolocarbazoles. Part III. *J. Enz. Inhib. Med. Chem.* **2003**, *18*, 167-174.

48. Alexandre, F.R.; Berecibar, A.; Wrigglesworth, R.; **Besson, T.** Novel series of 8*H*-quinazolino[4,3-*b*]quinazolin-8-ones via two Niementowski condensations. *Tetrahedron* **2003**, *59*, 1413-1419.
49. Maugard, T., Gaunt, D., Legoy, M. D.; **Besson, T.** Microwave assisted synthesis of galacto-oligosaccharides from lactose with immobilized β -galactosidase from *Kluyveromyces lactis*. *Biotechnol. Lett.* **2003**, *25*, 623-629.
50. Alexandre, F.R.; Berecibar, A.; Wrigglesworth, R.; **Besson, T.** Efficient synthesis of thiazoloquinazolinone derivatives. *Tetrahedron Lett.* **2003**, *44*, 4455-4458.
51. Frère, S.; Thiéry, V.; **Besson, T.** Eco-friendly microwave-assisted scaleable synthesis of 2-cyanobenzothiazoles via *N*-arylimino-1,2,3-dithiazoles. *Synth. Commun.* **2003**, *33*, 3789-3798.
52. Fînaru, A.; Berteina-Raboin, S.; **Besson, T.**; Guillaumet, G. Optimization of the fixation of 4-amino-3-iodobenzoic acid on a solid support exposed to microwaves. *Revista de Chimie (Bucharest)* **2003**, *54*, 895-898.
53. Alexandre, F.R.; Domon, L.; Frère, S.; Testard, A.; Thiéry, V.; **Besson, T.** Microwaves in drug discovery and multi-step synthesis. *Mol. Diversity* **2003**, *7*, 273-280.
54. Testard, A.; Picot, L.; Fruitier-Arnaudin, I.; Piot, J.M.; Chabane, H.; Domon, L.; Thiéry, V.; **Besson, T.** Microwave-assisted synthesis of novel thiazolocarbazoles and evaluation as potential anticancer agents. Part III. *J. Enz. Inhib. Med. Chem.* **2004**, *19*, 467-473.
55. Chabane, H.; Lamazzi, C.; Pierré, A.; Léonce, S.; Pfeiffer, B.; Renard, P.; Thiéry, V.; Guillaumet, G.; **Besson, T.** Synthesis and cytotoxic activity of thiazolofluorenone derivatives. *J. Enz. Inhib. Med. Chem.* **2004**, *19*, 567-575.
56. Pereira, M. F.; Alexandre, F.R.; Thiéry, V.; Besson T. Rapid and convenient synthesis of novel 1-imino-2,3-dihydro-1*H*-pyrazino[2,1-*b*]quinazolin-5-ones. *Tetrahedron Lett.* **2004**, *45*, 3097-3099.
57. Réjasse, B.; Lamare, S.; Legoy, M.,D.; **Besson, T.** Stability improvement of immobilized *Candida antartica* lipase B in organic medium under microwave radiation. *Org. Biomol. Chem.* **2004**, *2*, 1086-1089.
58. Mésangeau, C.; Yous, S.; Pérès, B.; Lesieur, D.; **Besson, T.** Pictet-Spengler heterocyclisations *via* microwave-assisted degradation of DMSO. *Tetrahedron Lett.* **2005**, *46*, 2465-2468.
59. Pereira, M. de F.; Picot, L.; Guillon, J.; Léger, J., M.; Jarry, C.; Thiéry, V.; **Besson, T.** Efficient synthesis of novel pentacyclic 6,7-dihydro-5*a*,7*a*,13,14-tetraaza-pentaphene-5,8-diones. *Tetrahedron Lett.* **2005**, *46*, 3445-3447.
60. Alexandre, F.R.; Berecibar, A.; Wrigglesworth, R.; Perreux, L.; Thiéry, V.; **Besson, T.** Synthesis of novel 1,3,4-benzotriazepine derivatives from 4-oxo-3,1-benzoxazine and 3,1-benzothiazine -2-carbonitriles. *Tetrahedron* **2005**, *61*, 8288-8294.
61. Testard, A.; Picot, L.; Lozach, O.; Blairvac, M.; Meijer, L.; Murillo, L.; Piot, J.M.; Thiéry, V.; **Besson, T.** Synthesis and evaluation of the antiproliferative activity of novel thiazoloquinazolinones inhibitors of kinases. *J. Enz. Inhib. Med. Chem.* **2005**, *20*, 557-568.
62. Desforges, G.; Picot, L.; Montagne, C.; Thiéry, V.; **Besson, T.**; Joseph, B. Synthesis and preliminary antiproliferative evaluation of 1,3,9-triazacyclopenta-*[b]*fluorene derivatives. *J. Enz. Inhib. Med. Chem.* **2005**, *20*, 569-574.
63. Frère, S.; Thiéry, V.; **Besson, T.** Synthesis of novel coumarin derivatives 7,8-fused onto thiazole. *Letts. Org. Chem.*, **2005**, *2*, 694-698.
64. Beauchard, A.; Chabane, H.; Sinbandhit, S.; Guénot, P.; Thiéry, V.; **Besson, T.** Synthesis of original thiazoloindolo[3,2-*c*]quinoline and novel 8-*N*-substituted-11*H*-indolo[3,2-*c*]quinoline derivatives from benzotriazoles. Part I. *Tetrahedron*, **2006**, *62*, 1895-1903.
65. Pereira, M. de F.; Thiéry, V.; **Besson, T.** Synthesis of novel 2,3-condensed thieno[2,3-*d*]pyrimidin-4-ones *via* Appel's salt chemistry. *J. Sulfur Chem.*, **2006**, *27*, 49-55.
66. Jankowski, C.,K.; Savoie, A.; Lesage, D.; Paré, J. R. J.; Bélanger, J., M., R.; Pereira, M de F.; Thiéry, V.; **Besson, T.**; Maciejak, O.; Toma, F. Mauclair, L.; Liao X. Unusual isomerisation of cubebene. *J. Mex. Chem. Soc.* **2006**, *50*, 90-95.
67. Testard, A.; Logé, C.; Léger, B.; Robert, J.-M.; Lozach, O.; Blairvacq, M.; Meijer, L.; Thiéry, V.; **Besson, T.** Thiazolo[5,4-*f*]quinazolin-9-ones, inhibitors of glycogen synthase kinase-3. *Bioorg. Med.*

- Chem. Lett.* **2006**, *16*, 4319-3423.
68. Beauchard, A.; Ferandin, Y.; Frère, S.; Lozach, O.; Blairvacq, M.; Meijer, M.; Thiéry, V.; **Besson, T.** Synthesis of novel 5-substituted indirubins as protein kinases inhibitors. *Bioorg. Med. Chem.* **2006**, *14*, 6434-6443.
 69. Réjasse, B.; Lamare, S.; Legoy, M.,D.; **Besson, T.** Influence of microwave radiation on free *Candida antarctica* lipase B activity and stability. *Org. Biomol. Chem.* **2006**, *4*, 3303-3307.
 70. Pereira, M. de F.; Thiéry, V.; **Besson, T.** Synthesis of novel 2,3-substituted quinazolin-4-ones by condensation of alkyl or aromatic diamines with 5-(*N*-arylimino)-4-chloro-5*H*-1,2,3-dithiazoles. *Tetrahedron* **2007**, *63*, 847-854.
 71. Putey, A.; Joucla, L.; Picot, L.; Besson, T.; Joseph, B. Synthesis of Latonduine and Paullone derivatives via intramolecular Heck coupling. *Tetrahedron* **2007**, *63*, 867-879
 72. Testard, A.; Thiéry, V.; Estour, F.; **Besson, T.** Real impact of different types of microwave instruments on a multi-step synthesis: preparation of a bio-active quinazolin-4-one derivative. *Chim. Oggi* **2007**, *25*, 10-12. Re-édition dans *Chim. Oggi* **2008**, *26*, 16-17.
 73. Liger, F.; Popowycz, F.; **Besson, T.**; Picot, L.; Galmarini, C. M.; Joseph, B. Synthesis and antiproliferative activity of clausine E, mukonine and koenoline bioisosteres. *Bioorg. Med. Chem.* **2007**, *15*, 5615-5619.
 74. Réjasse, B.; Lamare, S.; Legoy, M.,D.; **Besson, T.** Influence of microwave irradiation on enzymatic properties: applications in enzyme chemistry. *J. Enz. Inhib. Med. Chem.* **2007**, *22*, 519-527.
 75. Pereira, M. de F.; Chevrot, R.; Rosenfeld, E.; Thiéry, V.; **Besson, T.** Synthesis and evaluation of the anti-microbial activity of novel quinazolinones. *J. Enz. Inhib. Med. Chem.* **2007**, *22*, 577-583.
 76. Kostakis, I. K.; Elomri, H.; Seguin, E.; Iannelli, M.; **Besson, T.** Rapid synthesis of 2,3-disubstituted quinazolin-4-ones enhanced by microwave-assisted decomposition of formamide. *Tetrahedron Lett.* **2007**, *48*, 6609-6613.
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 79. **Besson, T.**; Chosson, E. Microwave-assisted synthesis of bioactive quinazolines and quinazolinones. *Comb. Chem. High Throughp. Screening* **2007**, *10*, 903-917.
 80. David-Quillot, F.; Thiéry, V.; Abarbri, M.; Thibonnet, J.; **Besson, T.**; Duchêne, A. Regio- and stereoselective synthesis of (*Z*)-vinylgermanes by hydrogermylation of alkynes. *Main Group Met. Chem.* **2007**, *30*, 235-244.
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