

Publications G. NIEL

1- Substituted cyclohexanes as conformationally-restricted analogs of the peptido-leukotrienes.

Vidal, J. P.; Escale, R.; Niel, G.; Rechencq, E.; Girard, J. P.; Rossi, J. C. *Tetrahedron Lett.* **1989**, 30(38), 5129-32

2- Comparative biological activities of the four synthetic (5,6)-DiHETE isomers.

Muller, A.; Rechencq, E.; Kugel, C.; Lellouche, J. P.; Beaucourt, J. P.; Niel, G.; Girard, J. P.; Rossi, J. C.; Bonne, C. *Prostaglandins* **1989**, 38(6), 635-44.

3- Synthesis and contractile activity of new acetylenic and allenic analogs of leukotrienes C4 and D4: importance of the Z-11,12 double bond.

Lellouche, J. P.; Aubert, F.; Beaucourt, J. P.; Rechencq, E.; Niel, G.; Girard, J. P.; Rossi, J. C.; Boucard, M.. *Prostaglandins*; **1989**, 37(1), 93-103.

4- Stereospecific total synthesis of (5,6)-DiHETE isomers.

Kugel, C; Lellouche, J P; Beaucourt, J P; Niel, G; Girard, J P; Rossi, J C. *Tetrahedron Lett.*, **1989**, 30(37), 4947-50.

5- Stereocontrol in allylboration reactions.

Hoffmann, R W.; Niel, G; Schlapbach, A.. *Pure Appl. Chem.*, **1990**, 62(10), 1993-8.

6- Stereoselective synthesis of alcohols. XL. Stereoselective cyclization of 7-oxo-2-heptenylboronates.

Hoffmann, R W.; Niel, G. *Liebigs Ann. Chem.*, **1991**, (11), 1195-1201.

7- Synthesis of a new pseudo-peptidoleukotriene: the first LTD4 analog with potent agonist activity.

Niel, G.; Escale, R.; Vidal, J. P.; Rechencq, E.; Girard, J. P.; Rossi, J. C. *Tetrahedron Lett.* **1991**, 32(23), 2613-14.

8- Substrate-controlled crotylboration from N-(tert-butoxycarbonyl)amino aldehydes.

Niel, G; Roux, F; Maisonnasse, Y; Maugras, I; Poncet, J; Jouin, P.. *J. Chem. Soc., Perkin Trans. 1*, **1994**, (10), 1275-80.

9- Synthesis of dolastatin 10 and [R-Doe]-dolastatin 10.

Roux, F; Maugras, I; Poncet, J; Niel, G; Jouin, P. *Tetrahedron*, **1994**, 50(18), 5345-60.

10- Total Synthesis of Dolatrienoic Acid: A Subunit of Dolastatin 14.

Moune, S; Niel, G; Busquet, M; Eggleston, I; Jouin, P.. *J. Org. Chem*, **1997**, 62(10), 3332-3339.

11- Stereochemical control in the preparation of α -amino N-methylthiazolidine masked aldehydes used for peptide aldehydes synthesis.

Gros, C; Boulegue, C; Galeotti, N; Niel, G; Jouin, P.. *Tetrahedron*, **2002**, 58(13), 2673-2680.

12- N-Trityl α -amino thiazolidine-masked aldehyde synthesis.

Niel, G.; Galeotti, N; Gros, C.; Boulegue, C.; Jouin, P. Innovation and Perspectives in Solid Phase Synthesis & Combinatorial Libraries: Peptides, Proteins and Nucleic Acids--Small Molecule Organic Chemistry Diversity, Collected Papers, International Symposium, 7th, Southampton, United Kingdom, Sept. 18-22, **2001** (2002), 241-242.

13- Caffeic acid phenethyl ester (CAPE) prevents inflammatory stress in organotypic hippocampal slice cultures.

Montpied, P.; de Bock, F.; Rondouin, G.; Niel, G.; Briant, L.; Courseau, A.; Lerner-Natoli, M; Bockaert, *J. Molecular Brain Research*, **2003**, *115*(2), 111-120.

14- An experiment on knowledge discovery in chemical databases.

Berasaluce S., Laurenço C., Napoli A. and Niel G. 8th European Conference on Principles and Practice of Knowledge Discovery in Databases – PKDD, 2004. (Pisa, Italia). Springer Verlag, **2004**. *Lecture Notes in Artificial Intelligence*. vol 3202. pp.39-51.

15- An Experiment on Mining Chemical Reaction Databases.

Berasaluce S., Laurenço C., Napoli A. and Niel G.
Modelling, Computation and Optimization in Information Systems and Management Sciences - MCO'04. (Metz, France). Hermes Science Publishing, London, **2004**. pp.535-542.

16- Stereocontrolled Routes to beta,beta'-disubstituted alpha-amino-acids

Michaux J., Niel G., Campagne J.-M.
Chemical Society Reviews, **2009**, *38*, 2093-2116

17- Silica-supported L-proline organocatalysts for asymmetric aldolisation

Zamboulis A., Rahier N., Gehringer M., Cattoën X., Niel G., Bied C., Moreau J. J., Wong Chi Man M.
Tetrahedron Asymmetry, **2009**, *20*, 2880-2885

18- Graph-Mining Algorithm for the Evaluation of Bond Formability

Pennerath F., Niel G., Vismara P., Jauffret P., Lauren C., Napoli A.
Journal of Chemical Information and Modeling, **2010**, *50* (2) 221-239

19- Regioselective ester cleavage during the preparation of bisphosphonate methacrylate monomers

Chougrani K., Niel G., Boutevin B., David G.
Beilstein Journal of Organic Chemistry, **2011**, *7*, 364-368

20- Towards the Total Synthesis of Thuggacin A: Synthesis of the C13-C25 Fragment Bearing All-syn Stereocenters

Zarate-Ruiz A., Marcia De Figueiredo R., Niel G., Campagne J.-M.
Synlett, **2012**, *23*(2), 219-222

21- Update 1 of: macrolactonizations in the total synthesis of natural products

Parenty A., Moreau X., Niel G., Campagne J.-M.
Chemical Reviews, **2013**, *113*(1), PR1-40.

22- Chemical bibliographic databases : influence of term indexing policies on topic searches

Niel, G.; Boyrie, F.; Virieux, D.
New J. Chem., **2015**, DOI: 10.1039/c5nj01077b