

## Chapitres d'ouvrage

- 1 - Réactions entre Fonctions Chimiques en Biologie  
**S. Delarue-Cochin**, D. Joseph  
Dans Chimie, Biochimie et Biologie du Moléculaire. 2<sup>ème</sup> Edition 2010.

## Publications

- 1 - PyBroP : a convenient activator for the synthesis of formamidines.  
**S. Delarue**, C. Sergheraert.  
*Tetrahedron Letters* **1999**, 40, 4587-4590.
- 2 - Antimalarial activity and cytotoxicity of bis(9-amino-6-chloro-2-methoxyacridines).  
S. Girault, **S. Delarue**, P. Grellier, A. Berecibar, L. Maes, L. Quirijnen, P. Lemiere, M.-A. Debreu-Fontaine, E. Davioud-Charvet, C. Sergheraert.  
*Journal of Pharmacy and Pharmacology* **2001**, 53, 935-938.
- 3 - Synthesis, in vitro and in vivo antimalarial activity of new 4-anilinoquinolines.  
**S. Delarue**, S. Girault, L. Maes, M.-A. Debreu-Fontaine, M. Labaeid, P. Grellier, C. Sergheraert.  
*Journal of Medicinal Chemistry* **2001**, 44 (17), 2827-2833.
- 4 - "One pot" synthesis and antimalarial activity of formamidine analogues of 4-anilinoquinoline.  
**S. Delarue**, S. Girault, F. Dali Ali, L. Maes, P. Grellier, C. Sergheraert.  
*Chemical and Pharmaceutical Bulletin* **2001**, 49 (8), 933-937.
- 5 - Convenient synthesis of tetrahydroisoquinoline-hydantoins.  
J. Charton, **S. Delarue**, S. Vendeville, M.-A. Debreu-Fontaine, S. Girault, C. Sergheraert.  
*Tetrahedron Letters* **2001**, 42, 7559-7562.
- 6 - A prodrug form of a *Plasmodium falciparum* glutathione reductase inhibitor conjugated with a 4-anilinoquinoline.  
E. Davioud-Charvet, **S. Delarue**, C. Biot, B. Schwöbel, C. C. Boehme, A. Müssigbrodt, L. Maes, C. Sergheraert, P. Grellier, R. H. Schirmer, K. Becker.  
*Journal of Medicinal Chemistry* **2001**, 44 (24), 4268-4276.
- 7 - The asymmetric Michael reaction involving chiral imines/secondary enamines: stereocontrolled synthesis of 2,2-disubstituted tetrahydrothiophen-3-ones.  
D. Desmaële, **S. Delarue-Cochin**, C. Cavé, J. d'Angelo, G. Morgant.  
*Organic Letters* **2004**, 6 (14), 2421-2424.
- 8 - The asymmetric Michael-type alkylation of chiral  $\beta$ -enamino esters: Critical implication of a benzyl ester group in the racemization of adducts  
M. Pizzonero, F. Hendra, **S. Delarue-Cochin**, M.-E. Tran Huu Dau, F. Dumas, C. Cavé, M. Nour, J. d'Angelo.  
*Tetrahedron : Asymmetry* **2005**, 16, 3853-3857.
- 9 - Asymmetric Michael reaction: novel efficient access to chiral  $\beta$ -ketophosphonates  
**S. Delarue-Cochin**,\* J.-J. Pan, A. Dauteloup, F. Hendra, R. Gagali Angoh, D. Joseph, P. J. Stephens, C. Cavé.  
*Tetrahedron : Asymmetry* **2007**, 18(5), 685-691.
- 10 - Stereocontrolled access to  $\alpha$ -fluoro- $\beta$ -ketoesters  
**S. Delarue-Cochin**,\* B. Bahlaouan, F. Hendra, M. Ourevitch, D. Joseph, G. Morgant, C. Cavé.  
*Tetrahedron : Asymmetry* **2007**, 18(6), 759-764.
- 11 - Rapid and efficient access to *meso*-2,5-*cis*-disubstituted pyrrolidines by double aza-Michael reactions of chiral primary amines.  
L. Cabral-dos Santos, Z. Bahlaouan, K. El Kassimi, C. Troufflard, F. Hendra, **S. Delarue-Cochin**, M. Zahouily, C. Cavé, D. Joseph.  
*Heterocycles* **2007**, 73, 751-768.
- 12 - Synthesis and antimalarial activity of new analogues of amodiaquine  
**S. Delarue-Cochin**, E. Paunescu, L. Maes, E. Mouray, C. Sergheraert, P. Grellier, P. Melnyk.

*European Journal of Medicinal Chemistry* **2008**, 43(2), 252-260.

- 13** - Synthesis and Antimalarial Activity of Carbamate and Amide Derivatives of 4-Anilinoquinoline.  
**S. Delarue-Cochin**, P. Grellier, L. Maes, E. Mouray, C. Sergheraert, P. Melnyk.  
*European Journal of Medicinal Chemistry* **2008**, 43(10), 2045-2055.
- 14** - Synthesis of new aza-analogues of Staurosporin, K252-a and Rebeccamycin by nucleophilic opening of  $C_2$ -symmetric bis-aziridines.  
**S. Delarue-Cochin**, I. McCort-Tranchepain.  
*Organic and Biomolecular Chemistry* **2009**, 706-716.
- 15** - A facile and stereocontrolled synthesis of  $\gamma$ -substituted  $\gamma$ -fluoroglutamates by conjugate addition: conflicting effect between fluorinated enaminoester and hindered Michael acceptor.  
E. Drège, A. Guillaume, N. Boukhedimi, J. Marrot, C. Troufflard, M.-E. Tran Huu Dau, D. Joseph,\*  
**S. Delarue-Cochin**.\*  
*Journal of Organic Chemistry* **2010**, 65, 7596-7604.
- 16** - Asymmetric Reduction of  $\beta$ -Ketoester and chiral  $\beta$ -Iminoester: Impact of a  $\alpha$ -Quaternary Stereocenter.  
H. Almahli, F. Hendra, C. Troufflard, C. Cavé, D. Joseph, **S. Delarue-Cochin**.\*  
*Chirality* **2011**, 23, 265-271.
- 17** - Identification of cinnamic acid derivatives as novel antagonists of the prokaryotic proton-gated ion channel GLIC.  
M. Prevost, **S. Delarue-Cochin**, J. Marteaux, C. Colas, C. Van Renterghem, A. Blondel, T. Malliavin, P. J. Corringer, D. Joseph.  
*Journal of Medicinal Chemistry* **2013**, 56, 4619-4630.