

A1 Publications in international journals with peer review of Prof. Matthias D'hooghe

- 168) S. Geurs, D. Clarisse, F. Baele, J. Franceus, T. Desmet, K. De Bosscher, **M. D'hooghe**. "Identification of mercaptoacetamide-based HDAC6 inhibitors via a lean inhibitor strategy: screening, synthesis, and biological evaluation" *Chem. Commun.* **2022**, 58, 6239-6242. (IF 6.065, Q2, rank 53/179)
- 167) K. Bredael, S. Geurs, D. Clarisse, K. De Bosscher, **M. D'hooghe**. "Carboxylic acid bioisosteres in medicinal chemistry: synthesis and properties" *J. Chem.* **2022**, 2164558 (IF 3.241, Q3, rank 93/179)
- 166) S. Deketelaere, E. Van Den Broeck, L. Cools, D. Deturck, H. Naeyaert, K. Van Hecke, C. V. Stevens, V. Van Speybroeck, **M. D'hooghe**. "Unexpected formation of 2,2-dichloro-N-(chloromethyl)acetamides during attempted Staudinger 2,2-dichloro- β -lactam synthesis" *Eur. J. Org. Chem.* **2021**, 5823-5830. (IF 3.261, Q2, rank 19/56)
- 165) T. Van de Walle, L. Cools, S. Mangelinckx, **M. D'hooghe**. "Recent contributions of quinolines to antimalarial and anticancer drug discovery research" *Eur. J. Med. Chem.* **2021**, 226, 113865. (IF 7.088, Q1, rank 5/63)
- 164) J. Franceus, J. Lormans, L. Cools, **M. D'hooghe**, T. Desmet. "Evolution of phosphorylases from *N*-acetylglucosaminidases in family GH3" *ACS Catal.* **2021**, 11, 6225-6233. (IF 12.350, Q1, rank 12/159)
- 163) A. Theppawong, G. Kaur, V. Kumar, J. Van Camp, **M. D'hooghe**. "Synthetic strategies in curcumin chemistry focused on anticancer applications" *Arkivoc* **2020**, vii, 257-305. (IF 1.003, Q4, rank 45/57)
- 162) T. Van de Walle, M. Briand, A. Mitrović, I. Sosić, S. Gobec, J. Kos, L. Persoons, D. Daelemans, S. De Jonghe, Z. Ubiparip, T. Desmet, K. Van Hecke, S. Mangelinckx, **M. D'hooghe**. "Synthesis of novel nitroxoline analogs with potent cathepsin B exopeptidase inhibitory activity" *ChemMedChem* **2020**, 15, 2477-2490. (IF 3.124, Q2, rank 25/61)
- 161) T. Van de Walle, M. Boone, J. Van Puyvelde, J. Combrinck, P. J. Smith, K. Chibale, S. Mangelinckx, **M. D'hooghe**. "Synthesis and biological evaluation of novel quinoline-piperidine scaffolds as antiplasmodium agents" *Eur. J. Med. Chem.* **2020**, 198, 112330. (IF 5.572, Q1, rank 5/61)
- 160) L. Decuyper, G. Kaur, C. Versyck, E. Blondeel, Y. Depetter, K. Van Hecke, **M. D'hooghe**. "Expedient synthesis of lupulones and their derivatization to 2,8-7H-dihydrochromen-7-ones" *ChemistryOpen* **2020**, 9, 442-444. (IF 2.370, Q3, rank 90/177)
- 159) L. Ouchakour, M. Nonn, **M. D'hooghe**, L. Kiss. "A de novo synthetic method to the access of fluorine-containing benzazepanes" *J. Fluorine Chem.* **2020**, 232, 109466. (IF 2.332, Q2, rank 19/45)
- 158) A. Minić, T. Van de Walle, K. Van Hecke, J. Combrinck, P. J. Smith, K. Chibale, **M. D'hooghe**. "Design and synthesis of novel ferrocene-quinoline conjugates and evaluation of their electrochemical and antiplasmodium properties" *Eur. J. Med. Chem.* **2020**, 187, 111963. (IF 4.833, Q1, rank 5/61)
- 157) L. Decuyper, M. Jukić, I. Sosić, A. M. Amoroso, O. Verlaine, B. Joris, S. Gobec, **M. D'hooghe**. "Synthesis and penicillin-binding protein inhibitory assessment of dipeptidic 4-phenyl- β -lactams from α -amino acid-derived imines" *Chem. Asian J.* **2020**, 15, 51-55. (IF 3.698, Q2, rank 55/172)
- 156) T. Van de Walle, A. Theppawong, C. Grootaert, S. De Jonghe, L. Persoons, D. Daelemans, K. Van Hecke, J. Van Camp, **M. D'hooghe**. "Synthesis and cytotoxic evaluation of monocarbonyl curcuminoids and their pyrazoline derivatives" *Monatsh. Chem.* **2019**, 150, 2045-2051. (IF 1.501, Q3, rank 112/172)
- 155) L. Decuyper, K. Magdalenic, M. Verstraete, M. Jukić, I. Sosić, E. Sauvage, A. M. Amoroso, O. Verlaine, B. Joris, S. Gobec, **M. D'hooghe**. " α -Unsaturated 3-amino-1-carboxymethyl- β -lactams as bacterial PBP inhibitors: synthesis and biochemical assessment" *Chem. Eur. J.* **2019**, 25, 16128-16140. (IF 5.160, Q1, rank 37/172)
- 154) Y. Depetter, S. Geurs, J. Franceus, D. Knez, T. Desmet, K. De Bosscher, O. De Wever, S. Gobec, **M. D'hooghe**. "Synthesis of Indoline-Based Benzhydroxamic Acids as Potential HDAC6 Inhibitors" *ChemistrySelect* **2019**, 4, 12308-12312. (IF 1.716, Q3, rank 107/172)
- 153) A. Theppawong, T. Van de Walle, K. Van Hecke, C. Grootaert, J. Van Camp, **M. D'hooghe**. "Synthesis of 1,4-thiazepane-based curcuminoids with promising anticancer activity" *Chem. Eur. J.* **2019**, 25, 12583-12600. (IF 5.160, Q1, rank 37/172)
- 152) R. Van Kerrebroeck, P. Naert, T. S. A. Heugebaert, **M. D'hooghe**, C. V. Stevens. "Electrophilic Bromination in Flow: A Safe and Sustainable Alternative to the Use of Molecular Bromine in Batch" *Molecules* **2019**, 24, 2116; doi:10.3390/molecules24112116. (IF 3.060, Q2, rank 68/172)
- 151) A. Theppawong, T. Van de Walle, C. Grootaert, K. Van Hecke, N. Catry, J. Van Camp, **M. D'hooghe**. "Synthesis of Non-symmetrical Nitrogen-containing Curcuminoids in the Pursuit of New Anticancer Candidates" *ChemistryOpen* **2019**, 8, 236-247. (IF 2.205, Q3, rank 90/172)
- 150) Y. Depetter, S. Geurs, R. De Vreese, S. Goethals, E. Vandoorn, A. Laevens, J. Steenbrugge, E. Meyer, P. de Tullio, M. Bracke, **M. D'hooghe**, O. De Wever. "Selective pharmacological inhibitors of HDAC6 reveal biochemical activity but functional tolerance in cancer models" *Int. J. Cancer* **2019**, 145, 735-747. (IF 4.982, Q1, rank 51/229)
- 149) L. Macha, **M. D'hooghe**, H-J. Ha. "Deployment of aziridines for the synthesis of alkaloids and their derivatives" *Synthesis* **2019**, 51, 1491-1515. (IF 2.867, Q2, rank 18/57)

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- 148) H. Dao Thi, **M. D'hooghe**. "An update on the synthesis and reactivity of spiro-fused β -lactams" *ARKIVOC* **2018**, vi, 314-347. (IF 1.253, Q3, rank 40/57)
- 147) L. Decuyper, J. Franceus, S. Dhaene, M. Debruyne, K. Vandoorne, N. Piens, G. Dewitte, T. Desmet, **M. D'hooghe**. "A chemoenzymatic approach toward the synthesis of 3-O-(α/β)-glucosylated 3-hydroxy- β -lactams" *ACS Omega* **2018**, 3, 15235-15245. (IF 2.584, Q2, rank 76/172)
- 146) L. Decuyper, S. Deketelaere, L. Vanparys, M. Jukič, I. Sosič, E. Sauvage, A. M. Amoroso, O. Verlaine, B. Joris, S. Gobec, **M. D'hooghe**. "In silico design and enantioselective synthesis of functionalized monocyclic 3-amino-1-carboxymethyl- β -lactams as inhibitors of penicillin-binding proteins of resistant bacteria" *Chem. Eur. J.* **2018**, 24, 15254-15266. (IF 5.317, Q1, rank 29/166)
- 145) Y. Depetter, S. Geurs, F. Vanden Bussche, R. De Vreese, J. Franceus, T. Desmet, O. De Wever, **M. D'hooghe**. "Assessment of the trifluoromethyl ketone functionality as an alternative zinc-binding group for selective HDAC6 inhibition" *Med. Chem. Commun.* **2018**, 9, 1011-1016. (IF 2.608, Q2, rank 29/60)
- 144) A. Theppawong, T. Van de Walle, C. Grootaert, M. Bultinck, T. Desmet, J. Van Camp, **M. D'hooghe**. "Synthesis of novel aza-aromatic curcuminoids with improved biological activities towards various cancer cell lines" *ChemistryOpen* **2018**, 7, 381-392. (IF 2.918, Q2, rank 62/166)
- 143) J. Franceus, L. Decuyper, **M. D'hooghe**, T. Desmet. "Exploring the sequence diversity in glycoside hydrolase family 13₁₈ reveals a novel glucosylglycerol phosphorylase" *Appl. Microbiol. Biotechnol.* **2018**, 102, 3183-3191. (IF 3.420, Q2, rank 44/160)
- 142) H. Dao Thi, H. Goossens, D. Hertsen, V. Otte, T. Van Nguyen, V. Van Speybroeck, **M. D'hooghe**. "Formation of fluorinated amido esters through unexpected C3-C4 bond fission in 4-trifluoromethyl-3-oxo- β -lactams" *Chem. Asian J.* **2018**, 13, 421-431. (IF 4.083, Q1, rank 40/166)
- 141) H. Dao Thi, G. Le Nhat Thuy, S. Catak, V. Van Speybroeck, T. Van Nguyen, **M. D'hooghe**. "Use of 3-hydroxy-4-(trifluoromethyl)azetidin-2-ones as building blocks for the preparation of trifluoromethyl-containing aminopropanes, 1,3-oxazinan(-2-on)es, aziridines and 1,4-dioxan-2-ones" *Synthesis* **2018**, 50, 1439-1456. (IF 2.650, Q2, rank 22/59) – Feature Article
- 140) E. B. Boydas, G. Tanriver, **M. D'hooghe**, H.-J. Ha, V. Van Speybroeck, S. Catak. "Theoretical Insight into the Regioselective Ring-Expansions of Bicyclic Aziridinium Ions" *Org. Biomol. Chem.* **2018**, 16, 796-806. (IF 3.564, Q1, rank 14/59)
- 139) H. Dao Thi, T. Van Nguyen, **M. D'hooghe**. "Synthesis and reactivity of 4-(trifluoromethyl)azetidin-2-ones" *Monatsh. Chem.* **2018**, 149, 687-700. (IF 1.282, Q3, rank 106/166)
- 138) L. Decuyper, M. Jukič, I. Sosič, A. Žula, **M. D'hooghe**, S. Gobec. "Antibacterial and β -lactamase inhibitory activity of monocyclic β -lactams" *Med. Res. Rev.* **2017**, 37, 426-503. (IF 9.135, Q1, rank 2/59)
- 137) N. Piens, H. Goossens, D. Hertsen, S. Deketelaere, L. Crul, L. Demeurisse, J. De Moor, E. Van den Broeck, K. Mollet, K. Van Hecke, V. Van Speybroeck, **M. D'hooghe**. "Reactivity of 3-oxo- β -lactams with respect to primary amines – an experimental and computational approach" *Chem. Eur. J.* **2017**, 23, 18002-18009. (IF 5.317, Q1, rank 29/166)
- 136) A. Minić, D. Stevanović, M. Vukićević, G. A. Bogdanović, **M. D'hooghe**, N. S. Radulović, R. D. Vukićević. "Synthesis of novel 4-ferrocenyl-1,2,3,4-tetrahydroquinolines and 4-ferrocenylquinolines via α -ferrocenyl carbenium ions as key intermediates" *Tetrahedron* **2017**, 73, 6268-6274. (IF 2.651, Q2, rank 21/59)
- 135) J. Dolfen, E. Birsan Boydas, V. Van Speybroeck, S. Catak, K. Van Hecke, **M. D'hooghe**. "Asymmetric synthesis of 3,4-disubstituted 2-(trifluoromethyl)pyrrolidines through rearrangement of chiral 2-(2,2,2-trifluoro-1-hydroxyethyl)azetidines" *J. Org. Chem.* **2017**, 82, 10092-10109. (IF 4.849, Q1, rank 8/59)
- 134) R. De Vreese, K. Muylaert, C. Maton, L. Dereu, F. Taillieu, T. Harth, R. Van Deun, H. Vrielinck, C. V. Stevens, **M. D'hooghe**. "Synthesis of bis-8-hydroxyquinolines via an imination or a Suzuki-Miyaura coupling approach" *Tetrahedron Lett.* **2017**, 58, 3803-3807. (IF 2.193, Q2, rank 26/59)
- 133) N. Piens, **M. D'hooghe**. "Carbonylation of aziridines as a powerful tool for the synthesis of functionalized β -lactams" *Eur. J. Org. Chem.* **2017**, 5943-5960 (IF 2.834, Q2, rank 19/59)
- 132) J. Dolfen, K. Van Hecke, **M. D'hooghe**. "LiAlH₄-induced Thia-Aza-Payne Rearrangement of Functionalized 2-(Thiocyanatomethyl)aziridines into 2-(Aminomethyl)thiiranes as an Entry to 5-(Chloromethyl)thiazolidin-2-ones" *Eur. J. Org. Chem.* **2017**, 3229-3233 (IF 3.068, Q2, rank 17/59)
- 131) N. Piens, K. Van Hecke, D. Vogt, **M. D'hooghe**. "Cobalt carbonyl-catalyzed carbonylation of functionalized aziridines to versatile β -lactam building blocks" *Org. Biomol. Chem.* **2017**, 15, 4816-4821 (IF 3.559, Q1, rank 14/59)
- 130) R. De Vreese, **M. D'hooghe**. "Synthesis and applications of benzohydroxamic acid-based histone deacetylase inhibitors" *Eur. J. Med. Chem.* **2017**, 135, 174-195. (IF 3.902, Q1, rank 6/59)

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- 129) S. Deketelaere, T. Van Nguyen, C. V. Stevens, **M. D'hooghe**. "Synthetic approaches toward monocyclic 3-amino- β -lactams" *ChemistryOpen* **2017**, *6*, 301-319. (IF 3.585, Q2, rank 43/163)
- 128) R. De Vreese, C. de Kock, P. J. Smith, K. Chibale, **M. D'hooghe**. "Exploration of thiaheterocyclic hHDAC6 inhibitors as potential antiplasmodial agents" *Future Med. Chem.* **2017**, *9*, 357-364 (IF 3.345, Q1, rank 13/59)
- 127) J. Dolfen, **M. D'hooghe**. "Concise synthesis of 3-(aminomethyl)pyrrolizidines via an $\text{In}(\text{OTf})_3$ -mediated ring rearrangement of 2-[2-(1-pyrrolin-2-yl)alkyl]aziridines" *Synthesis* **2017**, *49*, 2215-2222. (IF 2.652, Q2, rank 21/59)
- 126) R. De Vreese, L. Galle, Y. Depetter, J. Franceus, T. Desmet, K. Van Hecke, V. Benoy, L. Van Den Bosch, **M. D'hooghe**. "Synthesis of potent and selective HDAC6 inhibitors bearing a cyclohexane- or cycloheptane-annulated 1,5-benzothiazepine scaffold" *Chem. Eur. J.* **2017**, *23*, 128-136. (IF 5.771, Q1, rank 24/163)
- 125) N. Piens, W. Aelterman, **M. D'hooghe**, N. De Kimpe. "Use of α,ω -dichloroketimine building blocks for the construction of 1-azabicyclo[3.1.0]hexanes, piperidines, pyridines, pyrroles and tetrahydroindoles" *Synlett* **2017**, *28*, 207-213 (IF 2.323, Q2, rank 27/59).
- 124) N. Piens, S. De Craene, J. Franceus, K. Mollet, K. Van Hecke, T. Desmet, **M. D'hooghe**. "Diastereoselective synthesis of 3-acetoxy-4-(3-aryloxiran-2-yl)azetidines and their transformation into 3,4-oxolane-fused bicyclic β -lactams" *Org. Biomol. Chem.* **2016**, *14*, 11279-11288 (IF 3.559, Q1, rank 14/59)
- 123) A. Theppawong, R. De Vreese, L. Vannecke, C. Grootaert, J. Van Camp, **M. D'hooghe**. "Synthesis and biological assessment of novel N-(hydroxy/methoxy)alkyl β -enaminone curcuminoids" *Bioorg. Med. Chem. Lett.* **2016**, *26*, 5650-5656. (IF 2.486, Q2, rank 23/59)
- 122) H. Dao Thi, B. Danneels, T. Desmet, K. Van Hecke, T. Van Nguyen, **M. D'hooghe**. "Synthesis and application of 3-methylene-4-(trifluoromethyl)azetidines as novel building blocks for the preparation of mono- and spirocyclic 4-CF₃- β -lactams" *Asian J. Org. Chem.* **2016**, *5*, 1480-1491. (IF 3.275, Q2, rank 16/59)
- 121) J. Dolfen, N. N. Yadav, N. De Kimpe, **M. D'hooghe**, H.-J. Ha. "Bicyclic aziridinium ions in azaheterocyclic chemistry – preparation and synthetic application of 1-azoniabicyclo[n.1.0]alkanes" *Adv. Synth. Catal.* **2016**, *358*, 3485-3511. (IF 6.453, Q1, rank 1/71)
- 120) R. De Vreese, C. Grootaert, S. D'hoore, A. Theppawong, S. Van Damme, M. Van Bogaert, J. Van Camp, **M. D'hooghe**. "Synthesis of novel curcuminoids accommodating a central beta-enaminone motif and their impact on cell growth and oxidative stress" *Eur. J. Med. Chem.* **2016**, *123*, 727-736. (IF 3.902, Q1, rank 6/59)
- 119) L. Decuyper, N. Piens, J. Mincke, J. Bomon, B. De Schrijver, K. Mollet, K. De Winter, T. Desmet, **M. D'hooghe**. "A nitrilase-mediated entry to 4-carboxymethyl- β -lactams from chemically prepared 4-(cyanomethyl)azetidines" *RSC Adv.* **2016**, *6*, 54573-54579. (IF 3.289, Q2, rank 48/163)
- 118) T. Verhaeghe, K. De Winter, M. Berland, R. De Vreese, **M. D'hooghe**, B. Offmann, T. Desmet. "Converting bulk sugars into prebiotics: semi-rational design of a transglucosidase with controlled selectivity" *Chem. Commun.* **2015**, 3687-3689. (IF 6.834, Q1)
- 117) J. Dolfen, K. Vervisch, N. De Kimpe, **M. D'hooghe**. " LiAlH_4 -induced Selective Ring Rearrangement of 2-(2-Cyanoethyl)aziridines toward 2-(Aminomethyl)pyrrolidines and 3-Aminopiperidines as Eligible Heterocyclic Building Blocks" *Chem. Eur. J.* **2016**, *22*, 4945-4951. (IF 5.731, Q1)
- 116) R. De Vreese, Y. Depetter, T. Verhaeghe, T. Desmet, V. Benoy, W. Haeck, L. Van Den Bosch, **M. D'hooghe**. "Synthesis and SAR assessment of novel Tubathian analogs in the pursuit of potent and selective HDAC6 inhibitors" *Org. Biomol. Chem.* **2016**, *14*, 2537-2549 (IF 3.562, Q1)
- 115) J. Dolfen, N. De Kimpe, **M. D'hooghe** "Deployment of small-ring azaheterocycles as building blocks for the synthesis of organofluorine compounds" *Synlett* **2016**, *27*, 1486-1510 (IF 2.419, Q2).
- 114) H. Dao Thi, L. Decuyper, K. Mollet, S. Kenis, N. De Kimpe, T. Van Nguyen, **M. D'hooghe** "Synthesis of trifluoromethylated azetidines, aminopropanes, 1,3-oxazinanes and 1,3-oxazinan-2-ones starting from 4-trifluoromethyl- β -lactam building blocks" *Synlett* **2016**, *27*, 1100-1105. (IF 2.419, Q2).
- 113) T. Pham Thi, L. Decuyper, T. Luc Quang, C. Pham The, T. A. Dang Thi, H. Thanh Nguyen, T. G. Le Nhat, T. Nguyen Thanh, P. Hoang Thi, **M. D'hooghe**, T. Van Nguyen "Synthesis and cytotoxic evaluation of novel indenoisoquinoline-propan-2-ol hybrids" *Tetrahedron Lett.* **2016**, *57*, 466-471. (IF 2.379, Q2)
- 112) T. A. Dang Thi, L. Decuyper, H. Thi Phuong, D. Vu Ngoc, H. Thanh Nguyen, T. Thanh Nguyen, T. Do Huy, H. Huy Nguyen, **M. D'hooghe**, T. Van Nguyen. "Synthesis and cytotoxic evaluation of novel dihydrobenzo[h]cinnoline-5,6-diones" *Tetrahedron Lett.* **2015**, *56*, 5855-5858. (IF 2.379, Q2)
- 111) T. A. Dang Thi, T. H. Vu Thi, H. Thi Phuong, T. Ha Nguyen, C. Pham The, C. Vu Duc, Y. Depetter, T. Van Nguyen, **M. D'hooghe**. "Synthesis and anticancer properties of new (dihydro)pyranonaphthoquinones and their epoxy analogs" *Bioorg. Med. Chem. Lett.* **2015**, *25*, 3355-3358. (IF 2.420, Q2)

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- 110) R. De Vreese, N. Van Steen, T. Verhaeghe, T. Desmet, N. Bougarne, K. De Bosscher, V. Benoy, W. Haeck, L. Van Den Bosch, **M. D'hooghe**. "Synthesis of benzothiophene-based hydroxamic acids as potent and selective HDAC6 inhibitors" *Chem. Commun.* **2015**, 9868-9871. (IF 6.834, Q1)
- 109) T. A. Dang Thi, Y. Depetter, K. Mollet, H. Thi Phuong, D. Vu Ngoc, C. Pham The, H. Thanh Nguyen, T. H. Nguyen Thi, H. Huy Nguyen, **M. D'hooghe**, T. Van Nguyen. "Expedient stereoselective synthesis of new dihydropyrano- and dihydrofuranonaphthoquinones" *Tetrahedron Lett.* **2015**, 56, 2422-2425. (IF 2.379, Q2)
- 108) A. Pejović, B. Danneels, T. Desmet, B. Thi Cham, T. Van Nguyen, N. S. Radulović, R. D. Vukićević, **M. D'hooghe**. "Synthesis and antimicrobial/cytotoxic assessment of ferrocenyl oxazinanes, oxazinan-2-ones and tetrahydropyrimidin-2-ones" *Synlett* **2015**, 26, 1195-1200 (IF 2.419, Q2)
- 107) K. Mollet, L. Decuyper, S. Vander Meeren, N. Piens, K. Dewinter, T. Desmet, **M. D'hooghe**. "Synthesis of 2-aryl-3-(2-cyanoethyl)aziridines and their chemical and enzymatic hydrolysis towards gamma-lactams and gamma-lactones" *Org. Biomol. Chem.* **2015**, 13, 2716-2725. (IF 3.562, Q1)
- 106) S. Vandekerckhove, S. Van Herreweghe, J. Willems, B. Danneels, T. Desmet, C. de Kock, P. J. Smith, K. Chibale, **M. D'hooghe**. "Synthesis of functionalized 3-, 5-, 6- and 8-aminoquinolines via intermediate (3-pyrrolin-1-yl)- and (2-oxopyrrolidin-1-yl)quinolines and evaluation of their antiplasmodial and antifungal activity" *Eur. J. Med. Chem.* **2015**, 92, 91-102. (SCI IF 3.432, Q1)
- 105) S. Vandekerckhove, **M. D'hooghe**. "Quinoline-based antimalarial hybrid compounds" *Bioorg. Med. Chem.* **2015**, 23, 5098-5119. (SCI IF 2.951, Q2)
- 104) T. A. Dang Thi, N. T. Kim Tuyet, C. Pham The, H. T. Nguyen, C. Ba Thi, H. Thi Phuong, L. Van Boi, T. Van Nguyen, **M. D'hooghe**. "Synthesis and cytotoxic evaluation of novel amide-triazole-linked triterpenoid-AZT conjugates" *Tetrahedron Lett.* **2015**, 56, 218-224. (SCI IF 2.391, Q2)
- 103) T. A. Dang Thi, N. T. Kim Tuyet, C. Pham The, H. T. Nguyen, C. Ba Thi, T. Doan Duy, **M. D'hooghe**, T. Van Nguyen. "Synthesis and cytotoxic evaluation of novel ester-triazole-linked triterpenoid-AZT conjugates" *Bioorg. Med. Chem. Lett.* **2014**, 24, 5190-5194. (SCI IF 2.331, Q2)
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- 101) A. Pejović, M. S. Denić, D. Stevanović, I. Damljanović, M. Vukićević, K. Kostova, M. Tavlinova-Kirilova, P. Randjelović, N. M. Stojanović, G. A. Bogdanović, P. Blagojević, **M. D'hooghe**, N. S. Radulović, R. D. Vukićević. "Discovery of anxiolytic 2-ferrocenyl-1,3-thiazolidin-4-ones exerting GABAA receptor interaction via the benzodiazepine-binding site" *Eur. J. Med. Chem.* **2014**, 83, 57-73 (SCI IF 3.432, Q1)
- 100) M. Moens, N. De Kimpe, **M. D'hooghe**. "Selective synthesis of cis- and trans-2-methyl/phenyl-3-(trifluoromethyl)aziridines and their regio- and stereospecific ring opening" *J. Org. Chem.* **2014**, 79, 5558-5568. (SCI IF 4.638, Q1)
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