

CURRICULUM VITAE

(incl. publication list)

Name: Lise-Lotte Gundersen
Born: February 3, 1963, Oslo
Citizenship: Norwegian
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Education

2009-10: Course in University research leadership. Univ. of Oslo.
1997: University teaching course leading to the basic pedagogical competence needed for a permanent university position with teaching duties, Univ. of Oslo.
1991: Ph.D (dr. scient.) in organic chemistry, Dept of Chemistry, University of Oslo.
1987: Ms. Pharm. (cand. pharm.) in pharm. org. chem. Dept. of Pharmacy University of Oslo.

Present position

Professor in organic chemistry, Dept. of Chemistry, University of Oslo, from 2001.

Previous appointments

2004 - 2007: Professor II (20% position) in medicinal chemistry, Dept of Pharmacy, University of Tromsø.
2003 (5 months): Professor (100% position) in medicinal chemistry, Dept of Pharmacy, University of Tromsø.
1996 - 2001: Associate professor (1.amanuensis), Dept. of Chemistry, University of Oslo .
1993 - 1996: Associate professor (1.amanuensis), Dept. of Health - Pharmacy, Oslo College.
1992: Post doctoral studies (NATO Science Fellow), Department of Chemistry, Yale University CT, USA.
1987 - 1993: Research assistant, Department of Chemistry, University of Oslo.

Maternity leaves

1998 and 2000, ca. 1 year tot.

Supervision

Current Group Members:

- *PhD students:* Martin J. Hennum, Tushar Mahajan, Britt Paulsen, Jakob Wåhlander (co-supervisor), Håkon S. Gulbrandsen
- *Master students:* Ngan Mai, Lianglin Qi (co-supervisor), Jan Paulsen.

PhD students educated: Matthew L. Read (2013), Steffi Munack (2013; co-supervisor), Jindrich Kania (2013), Abhijit Datta Khoje (2011), Heidi Roggen (2010), Morten Brændvang (2007), Anders Vik

(2007), Anne Kristin Bakkestuen (2005), Solomon Teklu (2004), Anders Bråthe (2004), Geir Andresen (2001).

Master students educated: Håkon S. Gulbrandsen (2014), Thomas I. Aarhus (2014), Victor Heshmat Marzouk (2013), Hege H. Odden (2011), Melanie Siah (2011), Fiona Shiao Ping Lim (2011), Placid Nnamdi Orji (2010), Aisvareya Kulendrn (2010), Thywill Gamadeku (2009), Matthew L. Read (2008), Silja Augustdottir (2008), Linda W. Tangen (2006), Ayele Hailu Negussie (2004), Erik Jakobsen (2001), Ole Benny Østby (2001), Kjetil Andreas Netland (2000), Jens Nolsøe (1999), Anders Bråthe (1998), Anniken Thomsen (1997), Achmad I. Nasir (1997), Geir Andresen (1996), Geir Langli (1996), Harald Øverås (1995), Anne Kristin Bakkestuen (1994).

Former post docs.: Geir Kildahl-Andersen 2009-11 (two years), Dr. Pedro Miranda 2007 – 2009 (two years), Dr. Agnes Proszenyak 2005 – 2009 (four years), Dr. Edyta Nagrodzka 2007 – 2008 (one year), Dr. Bibigul T. Utenova 2002-2004 (two years), Dr. Alla Karlamova, exchange from University of Kasan, Russia, 1996 (6 months).

Former guest students etc: Carina Michaelis (Ms student exchange from Dusseldorf, fall 2014), Alessandro Carloni Garaventa (Exchange PhD student from University of Genova, 2012-13, 6 months), Fabian Fritze (exchange Ms student from Friedrich-Alexander-Universität Erlangen, fall 2012), Maksim Osheka (exchange Ms student from Tallin, spring 2012); Katharina Matkevits (exchange Ms student from Tallin, spring 2012); Susanne Vissner (2010, master student exchange from Nijmegen, spring 2010), Ph. D. student Liu Fusheng, exchange from Dalian University of Technology, China, 1997-1998 (one year), Ilse Custers (Ms student exchange from Amsterdam, fall 1997).

Supervision of undergraduate research (incl. Bs exchange students): Jessica Lizeth Dominguez Alfaro (exchange Bs student from Mexico City, spring 2014), Nele-Johanna Hempel (exchange Bs student from Hamburg University, fall 2013), Luis Pla Blasco (University of Valencia, 2012-13, one year), Lajla Kvalvik (UiO, fall 2009), Anne Nöll (Philipps University, Marburg, Germany, fall 2008), Hang Phan (UiO, fall 2007), Aisvareya Kulendrn (UiO, fall 2007), Veronika Ernst (Ludwig-Maximilians-Universität, Munich, Germany, spring 2007), Anthony James (USA, spring 2006), Tahira Riaz (UiO, spring 2006), Helene Lunder (UiO, fall 2005), Trine Rutlin (UiO, fall 2005), Frederick Chamaco (France, spring 1997).

Commissions of trust

- Leader, Organic Chemistry Section, Department of Chemistry, University of Oslo (2014-).
- Member of evaluation committee Alf Bjercke's Legat, University of Oslo (2014-).
- Group leader, Organic Chemistry research group, Department of Chemistry, University of Oslo (2011-3).
- Member of "Fagplankomiteen i kjemi", The Research Council of Norway (NFR) (2009-10).
- Member of the international scientific committee, European Symposia on Organic Chemistry (ESOC) (2009-).
- Member of the board; MBK study program, University of Oslo (2009-).
- Member of internal strategy advisory group, Department of Chemistry, University of Oslo (2009-).
- Member of the editorial board; Marine Drugs (2009-).
- Norwegian member of the Management Committee for COST CM0801 "New drugs for neglected diseases" (2008-2013).
- Group leader Synthesis and Molecular Structure research group, Department of Chemistry, University of Oslo (2008-).
- Member of the editorial board; The Open Organic Chemistry Journal (2007-)
- Reviewer Swedish post-graduate schools (2007-2008)
- Norwegian delegate, EUCHEMs Organic Chemistry Working Party (2007-).
- Member of the election committee, Norwegian Chemical Society, division of organic chemistry (2007-)

- Member of extended project group, Swedish-Norwegian Chemical Biology Group (2006-).
- Member of the board, Department of Chemistry, University of Oslo (2005-).
- Norwegian member of the Management Committee for COST Action D34 "Molecular Targeting and Drug Design in Neurological and Bacterial Diseases" (2005-).
- Member of the board, SINTEF Materialer og Kjemi (2005-07).
- Leader, Section A (Life Chemistry), Department of Chemistry, University of Oslo (2005-06).
- Contacts person regarding gender equality issues Dept. of Chemistry (2004-).
- Leader of the board, Norwegian Chemical Society, division of organic chemistry (2003-06).
- Norwegian member of the Management Committee for COST Action D24, "Sustainable Chemical Processes: Stereoselective Transition Metal-Catalysed Reactions" (2001-06).
- Member of the board, Programme for Catalysis and Organic Synthetic Chemistry (KOSK), The Research Council of Norway (NFR) (1999-2003).
- Member of the board, Norwegian Chemical Society (NKS), division of organic chemistry and medicinal chemistry (1999-2002).
- Leader of the comity at section for organic chemistry planning the renovation of the chemistry building (1997-99)
- Leader of a comity for evaluation of courses in general and organic chemistry, Dept. of Health, Oslo College (1996).
- Contact person for research and development, Oslo College, Dept. of Health, Program of Pharmacy (1995-96).
- Member of different comities and the department council, Dept. of Chem., University of Oslo, representing the research assistants (1989-91).
- Member of the faculty council, Faculty of Mathematics and Natural Sciences, University of Oslo, representing the research assistants (1989-90).

Evaluation of PhD theses

Oponent: Svein Jacob Kaspersen, NTNU, Norway (2014); Ragnhild Beate Strand, NTNU, Norway (2012); Matias Engman Uppsala University, Sweden (2009); Trygve Andreassen, NTNU, Norway (2009); Satu Silver, Åbo Academy University, Finland (2006); Maria F. D. Guzmán, Lund University, Sweden (2006); Molla Endeshaw, NTNU, Norway (2005); Anette Bayer, University of Tromsø, Norway (2002); Hui-Ling Liu, NTNU, Norway (2001). **Committee member:** Tor Erik H. Kristensen, University of Oslo, Norway (2010); Helle Malerød, University of Oslo, Norway (2010); Jerome Parmene, University of Oslo, Norway (2010); Mikko Myllymäki, Helsinki University of Technology, Finland (2009, pre-examiner); Simen Reine, University of Oslo, Norway (2009); Ola Lutnæs, University of Oslo, Norway (2009); Vidar Bjørnstad, University of Oslo, Norway (2009); Raymond Olsen, University of Oslo, Norway (2008); Erik Fooladi, University of Oslo, Norway (2008); Lena Kristoffersen, University of Oslo, Norway (2007); Kristian Dahlen, Göteborg University, Sweden (2006); Stina Saitton, Göteborg University, Sweden (2005); Cathrine Thomsen, University of Oslo, Norway (2002); Jon Efskin, University of Oslo, Norway (2001).

Member of selection boards (permanent positions)

- Promotion to Professor (one application), Chalmers University of Technology 2015.
- Promotion to Professor (one application), Umeå University 2013.
- Position as Professor in organic chemistry, Uppsala University 2013.
- Promotion to Professor (one application), Lund University 2010.
- Promotion to "bitredande professor" (two applications), Chalmers University of Technology 2010.
- Position as adjunct professor", Lund University 2009.
- Position as "bitredande lektor", Lund University 2009.
- Position as adjunct professor, Göteborg University 2008.
- Position as "Skole lektor" at the School Laboratory, Dept. of Chemistry, University of Oslo 2006
- Position as associate professor in medicinal chemistry. University of Bergen, 2005.

- Position as associate professor / professor (1.amanuensis/professor) in pharmaceuticals/physical pharmacy, University of Tromsø. 2005
- Position as associate professor / professor (1.amanuensis/professor) in organic chemistry, NTNU 2004.
- Position as associate professor (universitetslektor) in organic chemistry, Umeå Universitet 2004
- Position as associate professor / lecturer (1.amanuensis / høgskolelektor) in chemistry, Oslo College 2002 (leader of the board).
- Position as associate professor (universitetslektor) in medicinal chemistry, Göteborgs Universitet 2002
- Position as associate professor (1.amanuensis) in organic chemistry, University of Oslo. 2002 (administrative leader of the board).
- Position as associate professor (1.amanuensis) in organic chemistry, University of Tromsø. 2002
- Position as lecturer (Høgskolelektor) in chemistry, Hedmark College 1997.

Evaluation of grant applications: Scholarship Program - Norway-America Association 2015; Finnish Academy of Science 2003, 2007, 2009; Swedish Research Council, 2007, 2008, 2009, 2011, 2012; 2013; Grant Agency of the Academy of Sciences of the Czech Republic 2008; Royal Chemical Society 2009.

Publications

Ms and PhD thesis

- Gundersen, L.-L. Selektive syntese av 3-substituerte uraciler som potensielle hemmere av HIV. Cand. pharm. thesis, University of Oslo, **1987**.
- Gundersen, L.-L. α -Chloroalkoxysilanes as Protecting Group Reagents and Their Applications in the Synthesis of Aldol Products and Carbocyclic Nucleosides. Ph. D. (dr. scient.) thesis, University of Oslo, **1991**.

Peer-reviewed articles

1988

1. Benneche, T.; Gundersen, L.-L.; Undheim, K. (*tert*-Butyldimethylsilyloxy)methyl Chloride: Synthesis and Use as *N*-Protecting Group in Pyrimidinones. *Acta Chem. Scand. B* **1988**, *42*, 384-389.

1989

2. Gundersen, L.-L.; Benneche, T.; Undheim, K. Chloromethoxysilanes as Protecting Reagents for Sterically Hindered Alcohols. *Acta Chem. Scand.* **1989**, *43*, 706-709.

1991

3. Gundersen, L.-L.; Benneche, T. Evidence for the formation of Chloromethoxy(trimethyl)silane. *Acta Chem. Scand.* **1991**, *45*, 975-977.

1992

4. Antonsen, Ø; Benneche, T.; Gundersen, L.-L.; Undheim, K. Cross Aldol Products from α -Haloalkoxysilanes and Silyl Enol Ethers. *Acta Chem. Scand.* **1992**, *46*, 172-177.
5. Gundersen, L.-L.; Benneche, T.; Undheim, K. Pd(0)-Catalyzed Allylic Alkylation in the Synthesis of (\pm)Carbovir. *Tetrahedron Lett.*, **1992**, *33*, 1085-1088.
6. Gundersen, L.-L.; Benneche, T.; Rise, F.; Gogoll, A.; Undheim, K. Regiochemistry and Stereochemistry in Pd(0)-Catalyzed Allylic Alkylation of Nucleoside Bases. *Acta Chem. Scand.* **1992**, *46*, 761-771.
7. Gundersen, L.-L.; Rise, F.; Undheim, K. Aryl- and Alkynyltri-isopropoxytitanium in Regioselective Carbon-Carbon Bond Formation in Azines. *Tetrahedron* **1992**, *48*, 5647-5656.

1993

8. Gogoll, A.; Gundersen, L.-L.; Rise, F.; Valli, M. Alkylation and Covalent Adduct Formation of 2-Oxopurine. *Heterocycles*, **1993**, *36*, 231-235.

9. Faller, J. W.; Gundersen, L.-L. $[\text{HC}(\text{py})_3\text{W}(\text{NO})_2(\text{CO})](\text{SbF}_6)_2$ as a Lewis Acid Precursor in Additions of Silylated C-Nucleophiles to Carbonyl Compounds. *Tetrahedron Lett.* **1993**, *34*, 2275-2278.

1994

10. Gundersen, L.-L. 6-Chloropurines and Organostannanes in Palladium Catalyzed Cross Coupling Reactions. *Tetrahedron Lett.*, **1994**, *35*, 3155-3158.
11. Gundersen, L.-L.; Bakkestuen, A. K.; Aasen, A. J.; Øverås, H.; Rise, F. 6-Halopurines in Palladium-Catalyzed Coupling with Organotin and Organozinc Reagents. *Tetrahedron* **1994**, *50*, 9743-9756.

1995

12. Gundersen, L.-L.; Langli, G.; Rise, F. Regioselective Pd-Mediated Coupling between 2,6-Dichloropurines and Organometallic Reagents. *Tetrahedron Lett.* **1995**, *36*, 1945-1948.
13. Andresen, G.; Gundersen, L.-L.; Lundmark, M.; Frode Rise, F.; Sundell, S. Regioselective Addition of Grignard Reagents to a 2-Oxopurinium Salt. *Tetrahedron* **1995**, *51*, 3655-3664.
14. Borgen, G.; Dale, J.; Rise, F.; Gundersen, L.-L. Conformations and Conformational Processes of Pelargolactam. *Magn. Reson. Chem.* **1995**, *33*, 252-255.

1996

15. Gundersen, L.-L. Synthesis of Purinecarbonitriles by Pd(0)-Catalyzed Coupling of Halopurines with Zinc Cyanide. *Acta Chem. Scand.* **1996**, *50*, 58-63.
16. Borgen, G.; Dale, J.; Rise, F.; Gundersen, L.-L. Conformations and Conformational Processes of Undecylolactam. *Magn. Reson. Chem.* **1996**, *34*, 289-292.
17. Langli, G.; Gundersen, L.-L.; Rise, F. Regiochemistry in Stille Couplings of 2,6-Dihalopurines. *Tetrahedron* **1996**, *52*, 5625-5638.
18. Gundersen, L.-L. Synthesis of a Binuclear 6-Purinylpalladium(II)-Complex and Its Possible Role in Stille Couplings of 6-Chloropurines. *Acta Chem. Scand.* **1996**, *50*, 462-465.
19. Andresen, G.; Gundersen, L.-L.; Rise, F. Regiochemistry in Addition of Grignard Reagents to *N,N*-Dibenzylated 2-Purinones. *Tetrahedron* **1996**, *52*, 12979-12992.

1997

20. Øverås, A. T; Gundersen, L.-L.; Rise, F. Lewis Acid Mediated Diels-Alder Reactions of 6-Vinylpurines. *Tetrahedron* **1997**, *53*, 1777-1786.
21. Øverås, A. T; Bakkestuen, A. K.; Gundersen, L.-L.; Rise, F. Addition of Nucleophiles to 6-Vinylpurines. *Acta Chem. Scand.* **1997**, *51*, 1116-1124.

1998

22. Nasir, A. I.; Gundersen, L.-L.; Rise, F.; Antonsen, Ø.; Kristensen, T.; Langhelle, B.; Bast, A.; Custers, I.; Haenen, G. R. M. M.; Wikström, H. Inhibition of Lipid Peroxidation Mediated by Indolizines. *Bioorg. Med. Chem. Lett.* **1998**, *8*, 1829-1832.
23. Borgen, G.; Dale, J.; Gundersen, L.-L.; Krivokapic, A.; Rise, F.; Øverås, A. T. Conformations of 11- and 14-membered Ring Monolactams. *Acta Chem. Scand.* **1998**, *52*, 1110-1115.
24. Nolsøe, J. M. J.; Gundersen, L.-L.; Rise, F. Synthesis of 8-Halopurines by Reaction of Lithiated Purines with appropriate Halogen Donors. *Synth. Commun.* **1998**, *28*, 4303-4315.

1999

25. Bråthe, A.; Gundersen, L.-L.; Rise, F.; Eriksen, A. B.; Vollsnes, A. V.; Wang, L. Synthesis of 6-Alkenyl- and 6-Alkynyl Purines with Cytokinin Activity. *Tetrahedron* **1999**, *55*, 211-228.
26. Liu, F.; Dalhus, B.; Gundersen, L.-L.; Rise, F. Addition and Cycloaddition to 2- and 8-Vinylpurines. *Acta Chem. Scand.* **1999**, *53*, 269-279.

27. Nolsøe, J. M. J.; Gundersen, L.-L.; Rise, F. Regiochemistry in Pd-Mediated Coupling between 6,8-Dihalopurines and Organometallic Reagents. *Acta Chem. Scand.* **1999**, *53*, 366-372.

2000

28. Netland, K. A.; Gundersen, L.-L.; Rise, F. An Improved Synthesis of Dialkylcyclopropenones. *Synth. Commun.* **2000**, *30*, 1767-1777.

29. Jakobsen, E.; Gundersen, L.-L. Synthesis of Heteromine C from Guanine. *Heterocycles* **2000**, *53*, 935-940.

30. Bakkestuen, A. K.; Gundersen, L.-L.; Langli, G.; Liu, F.; Nolsøe, J. M. J. 9-Benzylpurines with Inhibitory Activity Against *Mycobacterium tuberculosis*. *Bioorg. Med. Chem. Lett.* **2000**, *10*, 1207-1210.

31. Østby, O. B.; Dalhus, B.; Gundersen, L.-L.; Rise, F.; Bast, A.; Haenen, G. R. M. M. Synthesis of 1-Substituted 7-Cyano-2,3-diphenylindolizines and Evaluation of Antioxidant Properties. *Eur. J. Org. Chem.* **2000**, *9*, 3763-3770.

2001

32. Østby, O. B.; Gundersen, L.-L.; Rise, F.; Antonsen, Ø.; Fosnes, K.; Larsen, V.; Bast, A.; Custers, I.; Haenen, G. R. M. M. Synthesis of 5-Substituted Pyrrolo[1,2-*b*]pyridazines with Antioxidant Properties. *Arch. Pharm. Pharm. Med. Chem.* **2001**, *334*, 21-24.

33. Andresen, G.; Dalhus, B.; Eriksen, A.B. Gundersen, L.-L.; Rise, F. Synthesis of 6-Substituted 2-Purinones with Potential Cytokinin Activity. *J. Chem. Soc., Perkin Trans. 1.* **2001**, 1662-1672.

34. Mazumdar, P. A.; Das, A. K.; Bakkestuen, A. K.; Gundersen, L.-L., Bertolasi, V. 9-(Phenylmethyl)-6-thienyl-9*H*-purine. *Acta. Cryst.* **2001**, *E57*, o1052-o1054.

35. Andresen, G.; Gundersen, L.-L.; Rise, F. Synthesis of 2-Oxopurine Adducts with Structural Resemblance to Efavirenz and DPC 961 as Potential NNRT-Inhibitors. *ARKIVOC* **2001**, *Part (x)*, 35-45 www.arkat-usa.org/ark/journal/Volume2/Part3/Undheim/undheim_index.htm

2002

36. Andresen, G.; Gundersen, L.-L.; Nissen-Meyer, J.; Rise, F.; Spilsberg, B. Cytotoxic and Antibacterial Effects of 2-Oxopurine derivatives. *Bioorg. Med. Chem. Lett.* **2002**, *12*, 567-569.

37. Gundersen, L.-L.; Nissen-Meyer, J.; Spilsberg, B. Synthesis and Antimycobacterial Activity of 6-Arylpurines; the Requirements for the *N*-9 Substituent in Active Antimycobacterial Purines. *J. Med. Chem.* **2002**, *45*, 1383-1386.

38. Bråthe, A.; Andresen, G.; Gundersen, L.-L.; Malterud, K. E.; Rise, F. Antioxidant Activity of Synthetic Cytokinin Analogs: 6-Alkenyl and 6-Alkynylpurines as Novel 15-Lipoxygenase Inhibitors. *Bioorg. Med. Chem.* **2002**, *10*, 1581-1586.

2003

39. Bakkestuen, A. K.; Gundersen, L.-L. Synthesis of (+)-Trixagol, the Enantiomer of the (-)-Agelasine E the Terpenoid Side Chain. *Tetrahedron* **2003**, *59*, 115-121.

40. Bråthe, A.; Gundersen, L.-L.; Nissen-Meyer, J.; Rise, F.; Spilsberg, B. Cytotoxic Activity of 6-Alkynyl- and 6-Alkenylpurines. *Bioorg. Med. Chem. Lett.* **2003**, *13*, 877-880.

41. Bakkestuen, A. K.; Gundersen, L.-L. Regioselective *N*-9 Arylation of Purines Employing Arylboronic Acids in the Presence of Cu(II). *Tetrahedron Lett.* **2003**, *44*, 3359-3362.

42. Gundersen, L.-L.; Negussie, A. H.; Rise, F.; Østby, O. B. Antimycobacterial Activity of 1-Substituted Indolizines. *Arch. Pharm. Pharm. Med. Chem.* **2003**, *336*, 191-195.

43. Gundersen, L.-L.; Malterud, K. E.; Negussie, A. H.; Rise, F.; Teklu, S.; Østby, O. B. Indolizines as Novel Potent Inhibitors of 15-Lipoxygenase. *Bioorg. Med. Chem.* **2003**, *11*, 5409-5419.

2004

44. Utenova, B. T.; Gundersen, L.-L. Synthesis of (+)-Agelasine D from (+)-Manool. *Tetrahedron Lett.* **2004**, *45*, 4233-4235.
- 2005**
45. Bakkestuen, A. K.; Gundersen, L.-L.; Utenova, B. T. Synthesis, Biological Activity and SAR of Antimycobacterial 9-Aryl-, 9-Arylsulfonyl- and 9-Benzyl-6-(2-furyl)purines. *J. Med. Chem.* **2005**, *48*, 2710-2723.
46. Bakkestuen, A. K.; Gundersen, L.-L.; Petersen, P.; Utenova, B. T.; Vik, A. Synthesis and Antimycobacterial Activity of Agelasine E and Analogs. *Org. Biol. Chem.* **2005**, *3*, 1025-1033.
47. Teklu, S.; Gundersen, L.-L.; Malterud, K. E.; Larsen, T.; Rise, F. Indolizine 1-Sulfonates as Potent Inhibitors of 15-Lipoxygenase from Soybeans. *Bioorg. Med. Chem.* **2005**, *13*, 3127-3139.
48. Teklu, S.; Gundersen, L.-L.; Rise, F.; Tilset, M. Electrochemical Studies of Biologically Active Indolizines. *Tetrahedron* **2005**, *61*, 4643-4656.
49. Bråthe, A.; Gundersen, L.-L.; Malterud, K. M.; Rise, F. 6-Substituted Purines as Inhibitors of 15-Lipoxygenase; a Structure-Activity Study. *Arch. Pharm. Chem. Life Sci.* **2005**, *338*, 159-166.
50. Bråthe, A.; Gundersen, L.-L.; Rise, F.; Eriksen, A. B. 6-Cyclopropylpurines as Novel Potent Analogs of Cytokinins. *J. Plant Growth Regul.* **2005**, *24*, 41-45.
51. Brændvang, M.; Gundersen, L.-L. Selective Anti-tubercular Purines. Synthesis and Chemotherapeutic Properties of 6-Aryl- and 6-Heteroaryl-9-benzylpurines. *Bioorg. Med. Chem.* **2005**, *13*, 6360-6373.
52. Berg, T. C.; Gundersen, L.-L.; Eriksen, A. B.; Malterud, K. E. Synthesis of Optically Active 6-Alkynyl- and 6-Alkylpurines as Cytokinin Analogs and Inhibitors of 15-Lipoxygenase; Studies of Intramolecular Cyclization of 6-(Hydroxyalkyn-1-yl)purines. *Eur. J. Org. Chem.* **2005**, 4988-4994.
- 2006**
53. Vik, A.; Hedner, E.; Charnock, C.; Samuelsen, Ø.; Larsson, R.; Gundersen, L.-L.; Bohlin, L. (+)-Agelasine D: Improved Synthesis and Evaluation of Antibacterial and Cytotoxic Activities. *J. Nat. Prod.* **2006**, *69*, 381-386.
54. Berg, T. C.; Bakken, V.; Gundersen, L.-L.; Petersen, D. Cyclization and Rearrangement Products from Coupling Reactions between Terminal *o*-Alkynylphenols or *o*-ethynyl(hydroxymethyl)benzene and 6-Halopurines. *Tetrahedron* **2006**, *62*, 6121-6131.
55. Brændvang, M.; Gundersen, L.-L. A Novel Method for the Introduction of Fluorine in the Purine 2-Position. Synthesis of 2-Fluoroadenosine and a Formal Synthesis of the Antileukemic Drug Fludarabine. *Synthesis* **2006**, 2993-2995.
- 2007**
56. Gundersen, L.-L.; Charnock, C.; Negussie, A. H.; Rise, F.; Teklu, S.; Synthesis of Indolizine Derivatives with Selective Antibacterial Activity against *Mycobacterium tuberculosis*. *Eur. J. Pharm. Sci.* **2007**, *30*, 26-35.
57. Vik, A.; Gundersen, L.-L. Synthetic Studies Directed towards Asmarines; Construction of the Tetrahydrodiazepinopurine Moiety by Ring Closing Metathesis. *Tetrahedron. Lett.* **2007**, *48*, 1931-1934.
58. Brændvang, M.; Gundersen, L.-L. Efficient and regioselective *N*-1 alkylation of 4-chloropyrazolo[3,4-*d*]pyrimidine. *Tetrahedron Lett.* **2007**, *48*, 3057-3059.
59. Brændvang, M.; Gundersen, L.-L. 2-Chloro-6-(2-furanyl)-9-[(4-methoxyphenyl)methyl]-9*H*-purine. *Acta. Cryst. C.* **2007**, *63*, o274-o276.
60. Vik, A.; Hedner, E.; Charnock, C.; Tangen, L. W.; Samuelsen, Ø.; Larsson, R.; Bohlin, L.; Gundersen, L.-L. Antimicrobial and Cytotoxic Activity of Agelasine and Agelasimine Analogs. *Bioorg. Med. Chem.* **2007**, *15*, 4016-4037.

61. Brændvang, M.; Gundersen, L.-L. 4-(2-Furyl)-1*H*-pyrazolo[3,4-*d*]pyrimidine. *Acta. Cryst. E.* **2007**, *63*, o2849.
62. Brændvang, M.; Gundersen, L.-L. 6-(Benzofuran-2-yl)-2-chloro-9-[(4-methoxyphenyl)methyl]-9*H*-purine. *Acta. Cryst. E.* **2007**, *63*, o3036-o3037.
63. Brændvang, M.; Gundersen, L.-L. Synthesis, Biological Activity and SAR of Antimycobacterial 2- and 8-Substituted 6-(2-Furyl)-9-(*p*-methoxybenzyl)purines. *Bioorg. Med. Chem.* **2007**, *15*, 7144-7165.
64. Vik, A.; James, A.; Gundersen, L.-L. Screening of Terpenes and Derivatives for Antimycobacterial Activity; Identification of Geranylgeraniol and Geranylgeranyl Acetate as Potent Inhibitors of *Mycobacterium tuberculosis in vitro*. *Planta Med.* **2007**, *73*, 1410-1412.
65. Proszenyák, Á.; Charnock, C.; Hedner, E.; Larsson, R.; Bohlin, L.; Gundersen, L.-L. Synthesis and Antimicrobial and Antineoplastic Activities of Agelasine and Agelasimine Analogs with a β -cyclocitral derived Substituent. *Arch. Pharm. Chem. Life Sci.* **2007**, *340*, 625-634.

2008

66. Sjögren, M.; Dahlström, M.; Hedner, E.; Jonsson, P. R.; Vik, A.; Gundersen, L.-L.; Bohlin, L. Antifouling activity of the sponge metabolite agelasine D and synthesized analogs on *Balanus improvisus*. *Biofouling* **2008**, *24*, 251-258.
67. Roggen, H.; Gundersen, L.-L. Synthetic Studies Directed towards Agelasine Analogs. Synthesis, Tautomerism, and Alkylation of 2-Substituted *N*-Methoxy-9-methyl-9*H*-purin-6-amines. *Eur. J. Org. Chem.* **2008**, 5099-5106.

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