

Anchimeric assistance in the case of vicinal dimesylate : formation of enantiomeric or meso-biomorpholine

Kanger, Tõnis; Laars, Marju; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Synthesis 2006 / 11, p. 1853-1857
https://www.researchgate.net/publication/239729268_Anchimeric_Assistance_in_the_Case_of_Vicinal_Dimesylate_Formation_of_Enantiomeric_or_meso_Bimorpholine

Asendatud (2S,2'S)-bimorfoliinide süntees

Lippur, Kristin; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 82-83

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 1, 3-hydroxylation of 3-alkyl-1,2-cyclopentanediones

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2002 / p. 2439-2448 <https://www.sciencedirect.com/science/article/pii/S095741660200589X>

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 2, Oxidative ring cleavage of 3-alkyl-1,2-cyclopentanediones : synthesis of 2-alkyl-[gamma]-lactone acids

Paju, Anne; Kanger, Tõnis; Pehk, Tõnis; Lindmaa, Rasmus; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2003 / p. 1565-1573 <https://www.sciencedirect.com/science/article/pii/S0957416603003094>

Asymmetric oxidation of 3-alkyl-1,2-cyclopentanediones. Part 3, Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of [alfa]-hydroxy-[gamma]-lactone acids and spiro-[gamma]-dilactones

Paju, Anne; Kanger, Tõnis; Niitsoo, Olivia; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2003 / p. 2393-2399

Asymmetric synthesis of 2-aryl-5-oxotetrahydrofuran-2-carboxylic acids

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Kanger, Tõnis; Lopp, Margus Synthesis 2006 / 18, p. 3031-3036 : ill <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2006-950193>

Asymmetric synthesis of 4'-C-benzyl-2',3'-dideoxynucleoside analogues from 3-benzyl-2-hydroxy-2-cyclopenten-1-one

Jõgi, Artur; Ilves, Marit; Paju, Anne; Pehk, Tõnis; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2008 / 5, p. 628-634 https://www.researchgate.net/publication/232406405_Asymmetric_synthesis_of_4'-C-benzyl-2'3'-dideoxynucleoside_analogues_from_3-benzyl-2-hydroxy-2-cyclopenten-1-one

Asymmetric synthesis of novel C2-symmetric bimorpholines

Kanger, Tõnis; Kriis, Kadri; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2002 / p. 857-865

Bimorpholine as an organocatalyst for asymmetric aldol condensation

Kriis, Kadri; Kanger, Tõnis; Laars, Marju; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 104

Bimorpholine-mediated enantioselective intramolecular and intermolecular aldol condensation

Kanger, Tõnis; Kriis, Kadri; Laars, Marju; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Journal of organic chemistry 2007 / p. 5168-5173 <https://pubs.acs.org/doi/10.1021/jo070524i>

Bitsüklo[3.3.0]oktanooni derivaatide süntees

Raudla, Kristin; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus XXIX Eesti keemiapäevad : teaduskonverentsi ettekannete teesid = 29th Estonian Chemistry Days : abstracts of scientific conference 2005 / lk. 94-95

C2-symmetric bimorpholines : a new ligand for metal mediated hydride transfer reduction of ketones

Kriis, Kadri; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A50

C2-symmetric bimorpholines as chiral ligands in the asymmetric hydrogenation of ketones

Kriis, Kadri; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron : asymmetry 2003 / p. 2271-2275
<https://www.sciencedirect.com/science/article/pii/S0957416603004324>

Chemical investigation of the essential oil from berries and needles of common juniper (Juniperus communis L.) growing wild in Estonia

Orav, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati Natural product research 2010 / 19, p. 1789-1799

Comparative analysis of the composition of essential oils and supercritical carbon dioxide extracts from the berries and needles of Estonian juniper (Juniperus communis L.)

Orav, Anne; Koel, Mihkel; Kailas, Tiiu; Müürisepp, Aleksander-Mati Procedia chemistry 2010 / p. 161-167

Comparative analysis of the essential oil and supercritical carbon dioxide extracts of Juniperus communis L. berries and

needles from Estonia

Orav, Anne; Koel, Mihkel; Kailas, Tiiu; Müürisepp, Aleksander-Mati NoSSS2009 : 5th Conference on Separation and Related Techniques by Nordic Separation Science Society : 26-29 August, 2009, Tallinn University of Technology, Estonia : abstract book and program 2009 / p. 123

A comparative study of the synthesis of C2-symmetric chiral 2,2'-biaziridinyls of 3-alkyl-1,2-cyclopentanediones

Kanger, Tõnis; Ausmees, Kerti; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Synlett 2003 / p. 1055-1057
<https://doi.org/10.1055/s-2003-39303>

A comparative study of the synthesis of C2-symmetric chiral 2,2'-bisaziridinyls

Kanger, Tõnis; Ausmees, Kerti; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A44

Composition of blackcurrant aroma isolated from leaves, buds, and berries of *Ribes nigrum* L.

Orav, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati Proceedings of the Estonian Academy of Sciences. Chemistry 2002 / 4, p. 225-234 : ill

Composition of essential oil of aerial parts of *Chamomilla suaveolens* from Estonia

Orav, Anne; Sepp, Janne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Arak, Elmar; Raal, Ain Natural product communications 2010 / 1, p. 133-136

Composition of the essential oil of *Artemisia absinthium* L. of different geographical origin

Orav, Anne; Raal, Ain; Arak, Elmar; Müürisepp, Aleksander-Mati; Kailas, Tiiu Proceedings of the Estonian Academy of Sciences. Chemistry 2006 / 3, p. 155-165 : ill

Composition of the essential oil of *Levisticum officinale* W.D.J. Koch from some European countries

Raal, Ain; Arak, Elmar; Orav, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati Journal of essential oil research 2008 / p. 318-322
https://www.researchgate.net/publication/254247369_Composition_of_the_Essential_Oil_of_Levisticum_officinale_WDJ_Koch_from_Some_European_Countries

Composition of the oil and supercritical fluid CO₂ extract of sweet gale (*Myrica gale* L.) fruits

Sokolova, Maia; Orav, Anne; Koel, Mihkel; Kailas, Tiiu; Müürisepp, Aleksander-Mati Journal of essential oil research 2005 / March/April, p. 188-191 : ill <https://www.tandfonline.com/doi/abs/10.1080/10412905.2005.9698871>

Content and composition of essential oils in some Asteraceae species

Raal, Ain; Kaur, Helen; Orav, Anne; Arak, Elmar; Kailas, Tiiu; Müürisepp, Aleksander-Mati Proceedings of the Estonian Academy of Sciences 2011 / 1, p. 55-63

Eestis kasvava hariliku kadaka okaste ja marjade eeterliku õli koostise määramine

Orav, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 107-108

Effect of storage on the essential oil composition of *Piper nigrum* L. fruits of different ripening states

Orav, Anne; Stulova, Irina; Kailas, Tiiu; Müürisepp, Aleksander-Mati Journal of agricultural and food chemistry 2004 / p. 2582-2586 <https://pubmed.ncbi.nlm.nih.gov/15113161/>

Enantioselective synthesis of Wieland-Miescher ketone through biomorpholine-catalyzed organocatalytic aldol condensation

Kriis, Kadri; Kanger, Tõnis; Laars, Marju; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Synlett 2006 / 11, p. 1699-1702 https://www.researchgate.net/publication/237887633_Enantioselective_Synthesis_of_Wieland-Miescher_Ketone_through_Bimorpholine-Catalyzed_Organocatalytic_Aldol_Condensation

Investigation of kukersite structure using NMR and oxidative cleavage : on the nature of phenolic precursors in the kerogen of Estonian kukersite

Lille, Ülo; Heinmaa, I.; Müürisepp, Aleksander-Mati; Pehk, Tõnis Oil shale 2002 / 2, p. 101-116 : ill
https://www.researchgate.net/publication/288156758_Investigation_of_kukersite_structure_using_NMR_and_oxidative_cleavage_On_the_nature_of_phenolic_precursors_in_the_kerogen_of_Estonian_kukersite

Käeliste tetrahüdrofuraani analoogide süntees

Niidu, Allan; Paju, Anne; Kisiltsõn, Konstantin; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus XXX Eesti keemiapäevad : teaduskonverentsi teesid = 30th Estonian Chemistry Days : abstracts of scientific conference 2007 / lk. 104-105

Lipase-catalyzed stereoresolution of long-chain 1,2-alkanediols: a screening of preferable reaction conditions

Parve, Jaan; Reile, Indrek; Aid, Tiina; Kudrjašova, Marina; Müürisepp, Aleksander-Mati; Vallikivi, Imre; Villo, Ly; Aav, Riina; Pehk, Tõnis; Vares, Lauri; Parve, Omar Journal of molecular catalysis B : enzymatic 2015 / p. 60-69 : ill
<https://doi.org/10.1016/j.molcatb.2015.03.006> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Oxidation of cyclopentane-1,2-dione: a study with ¹⁸O labeled reagents

Reile, Indrek; Paju, Anne; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Tetrahedron 2011 / p. 5942-5948

Oxidative ring cleavage of 3-hydroxyethyl-1,2-cyclopentanediones : synthesis of 4-hydroxy-[??]-lactone acids and spiro-[??]-dilactones

Paju, Anne; Kanger, Tõnis; Niitsoo, Olivia; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus Komppa Centenary Symposium : July 6-9, 2003, Espoo, Finland : abstracts 2003 / p. A73

Sonogashira cross-coupling of 3-bromo-1,2-diones : an access to 3-alkynyl-1,2-diones

Paju, Anne; Kanger, Tõnis; Müürisepp, Aleksander-Mati; Aid, Tiina; Pehk, Tõnis; Lopp, Margus Tetrahedron 2014 / p. 5843-5848 : ill <https://doi.org/10.1016/j.tet.2014.06.037> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Stereoselective synthesis of 1-methyl-1,2-and 1,3-cyclopentanediois via γ -lactones

Niidu, Allan; Paju, Anne; Müürisepp, Aleksander-Mati; Järving, Ivar; Kailas, Tiiu; Pehk, Tõnis; Lopp, Margus Chemistry of heterocyclic compounds 2013 / p. 1751-1760 : ill <https://doi.org/10.1007/s10593-013-1206-4> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Structural constraints for C2-symmetric heterocyclic organocatalysts in asymmetric aldol reactions

Laars, Marju; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus Tetrahedron : asymmetry 2008 / p. 641-645 https://www.researchgate.net/publication/244242681_Structural_constraints_for_C_2-symmetric_heterocyclic_organocatalysts_in_asymmetric_aldol_reactions

Synthesis and derivatization of bis-nor Wieland-Miescher ketone

Kanger, Tõnis; Raudla, Kristin; Aav, Riina; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Synthesis 2005 / p. 3147-3151 <https://www.thieme-connect.com/products/ejournals/abstract/10.1055/s-2005-916025>

Synthesis and quantitative analysis of diastereomeric linked ester conjugates with remote stereocenters using high field NMR and chiral HPLC

Doyle, Eva; Parve, Jaan; Kudrjašova, Marina; Tamp, Sven; Müürisepp, Aleksander-Mati; Villo, Ly; Vares, Lauri; Pehk, Tõnis; Parve, Omar Chirality 2013 / p. 793-798 : ill <https://doi.org/10.1002/chir.22217> Journal metrics at Scopus Article at Scopus Journal metrics at WOS Article at WOS

Synthesis of (2S,2'S)-bimorpholine N,N'-quaternary salts as chiral phase transfer catalysts

Lippur, Kristin; Kanger, Tõnis; Kriis, Kadri; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Tetrahedron: asymmetry 2007 / p. 137-141

Synthesis of 3-phenyl-2-hydroxy-2-cyclopenten-1-ones and their asymmetric oxidation

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Kailas, Tiiu; Lopp, Margus International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 100

Synthesis of 4'-aryl-2',3'-dideoxynucleoside analogues

Jõgi, Artur; Paju, Anne; Pehk, Tõnis; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Lopp, Margus Tetrahedron 2009 / p. 2959-2965 <https://www.sciencedirect.com/science/article/abs/pii/S0040402009001914>

Synthesis of 5,5'-disubstituted bimorpholines

Lippur, Kristin; Elmers, Cindy; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus Synthetic communications 2010 / p. 266-281

Synthesis of 5,5'-disubstituted biomorpholines

Lippur, Kristin; Elmers, Cindy; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Kanger, Tõnis; Lopp, Margus Synthetic communications 2009 / p. 1-16

Synthesis of chiral FHF-analogues

Niidu, Allan; Kisliitsõn, Konstantin; Paju, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Balticum Organicum Syntheticum : International Conference on Organic Synthesis : June 29 - July 2, 2008, Vilnius : program and abstract book 2008 / ? p

Synthesis of chiral hydroxylated cyclopentanones and cyclopentanes

Niidu, Allan; Paju, Anne; Eek, Margus; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus Tetrahedron : asymmetry 2006 / 18, p. 2678-2683 <https://www.sciencedirect.com/science/article/pii/S0957416606006653>

Synthesis of cyclopentane hydroxy derivatives

Niidu, Allan; Paju, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati; Pehk, Tõnis; Lopp, Margus BOS 2012 : International Conference on Organic Synthesis : July 1-4, 2012, Tallinn, Estonia : program and abstracts 2012 / p. 142

Synthesis of N,N'-disubstituted (2S,2'S)-bimorpholine

Raudla, Kristin; Kanger, Tõnis; Pehk, Tõnis; Müürisepp, Aleksander-Mati; Lopp, Margus International Conference on Organic Synthesis : Tallinn, Estonia, June 25-29, 2006 : program and abstracts 2006 / p. 138

Synthesis of novel acyclic nucleoside analogues with anti-retroviral activity

Paju, Anne; Päre, M.; Selyutina, Anastasia; Žusinaite, Eva; Merits, Andres; **Pehk, Tõnis;** Siirde, Kaarel; **Müürisepp, Aleksander-Mati; Kailas, Tiiu; Lopp, Margus** Nucleosides, nucleotides and nucleic acids 2010 / 9, p. 707-720

<https://www.tandfonline.com/doi/pdf/10.1080/15257770.2010.501776>

Variation in the composition of the essential oil of commercial Valeriana officinalis L. roots from different countries

Raal, Ain; Arak, Elmar; **Orav, Anne; Kailas, Tiiu; Müürisepp, Aleksander-Mati** Journal of essential oil research 2008 / 6, p. 524-529

https://www.researchgate.net/publication/241714499_Variation_in_the_Composition_of_the_Essential_Oil_of_Commercial_Valeriana_Officinalis_L_Roots_from_Different_Countries

Variation in the composition of the essential oil of Valeriana officinalis L. roots from Estonia

Raal, Ain; **Orav, Anne;** Arak, Elmar; **Kailas, Tiiu; Müürisepp, Aleksander-Mati** Proceedings of the Estonian Academy of Sciences. Chemistry 2007 / 2, p. 67-74