

**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  
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**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>

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**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](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)

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**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**  
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**Chemical investigation of the essential oil from berries and needles of common juniper (Juniperus communis L.) growing wild in Estonia**  
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**Comparative analysis of the composition of essential oils and supercritical carbon dioxide extracts from the berries and needles of Estonian juniper (Juniperus communis L.)**  
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#### **A comparative study of the synthesis of C2-symmetric chiral 2,2'-biaziridinyls of 3-alkyl-1,2-cyclopentanediones**

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#### **Dioksügenaasid korallis *Gersemia fruticosa* : hapniku allikas, selektiivsete inhibiitorite toime**

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#### **Eestis kasvava hariliku kadaka okaste ja marjade eeterliku õli koostise määramine**

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

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

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

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

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**Synthesis of novel acyclic nucleoside analogues with anti-retroviral activity**

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**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  
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