

An NMR spectroscopic investigation of functional group selectivity of lipase-catalysed reactions of 11-acetyl prostaglandins E1 and E2

Villo, Ly; Tamp, Sven; Vallikivi, Imre; Järving, Ivar; Pehk, Tõnis; Parve, Omar Proceedings of the 9th International Symposium on Biocatalysis and Biotransformations - (Biotrans 2009) Held in Bern, Switzerland 5-9 July 2009 2010 / p. 66

A chemoenzymatic approach to the preparation of optically active alpha-bromo-omega-hydroxy aldehyde hemiacetals

Parve, Omar; Vallikivi, Imre; Lahe, Lilja; Sikk, Peeter; Käämbre, Tuuli; Lille, Ülo Proceedings of the Estonian Academy of Sciences. Chemistry 1997 / 4, p. 186-190

Lipase action on some non-triglyceride substrates

Vallikivi, Imre; Lille, Ülo; Lõokene, Aivar; Metsala, Andrus; Sikk, Peeter; Tõugu, Vello; Vija, Heiki; Villo, Ly; Parve, Omar Journal of molecular catalysis B : enzymatic 2003 / 5/6, p. 279-298 : ill <https://www.sciencedirect.com/science/article/abs/pii/S1381117703000432>

Lipase-catalysed acylation of prostanoids

Parve, Omar; Järving, Ivar; Martin, Ivar; Metsala, Andrus; Vallikivi, Imre; Aidnik, Madis; Pehk, Tõnis; Samel, Nigulas Bioorganic & medicinal chemistry letters 1999 / p. 1853-1858: ill

Lipase-catalysed derivatisation of prostanoids

Parve, Omar; Vallikivi, Imre; Martin, Ivar; Järving, Ivar; Samel, Nigulas 11th European Symposium on Organic Chemistry : Göteborg, Sweden, July 23-28, 1999 : programme and abstracts 1999 / p. P179

Lipase-catalysed enantioselective hydrolysis : interpretation of the kinetic results in terms of frontier orbital localisation

Parve, Omar; Vallikivi, Imre; Metsala, Andrus; Lille, Ülo; Tõugu, Vello; Sikk, Peeter; Käämbre, Tuuli; Vija, Heiki; Pehk, Tõnis Tetrahedron 1997 / 13, p. 4889-4900

Lipase-catalysed enantioselective hydrolysis of bicyclo[3.2.0]heptanol esters in supercritical carbon dioxide

Parve, Omar; Vallikivi, Imre; Lahe, Lilja; Metsala, Andrus; Lille, Ülo; Tõugu, Vello; Vija, Heiki; Pehk, Tõnis Bioorganic & medicinal chemistry letters 1997 / 7, p. 811-816

Lipase-catalysed reactions of prostaglandins

Vallikivi, Imre 2004 https://www.ester.ee/record=b1990575*est

Lipase-catalysed regioselective acylation/deacylation of prostanoids

Vallikivi, Imre; Järving, Ivar; Metsala, Andrus; Pehk, Tõnis; Parve, Omar International Conference on Organic Synthesis : Vilnius, 2000, June 26-29 : program and abstracts 2000 / p. [82]

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

NMR monitoring of lipase-catalyzed reactions of prostaglandins : preliminary estimation of reaction velocities

Vallikivi, Imre; Järving, Ivar; Pehk, Tõnis; Samel, Nigulas; Tõugu, Vello; Parve, Omar Journal of molecular catalysis B : enzymatic 2004 / p. 15-19 : ill

Prostanoidide lipaas-katalüütiline atsüleerimine

Parve, Omar; Vallikivi, Imre; Martin, Ivar; Järving, Ivar; Samel, Nigulas XXV Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 25th Estonian Chemistry Days : abstracts of scientific conference 1999 / lk. 129-130

Prostanoidide reaktsioonid ja molekulaarmodelleerimine Candida antarctica lipaas B aktiivsentsis

Vallikivi, Imre; Pehk, Tõnis; Fransson, Linda; Hult, Karl; Parve, Omar XXVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 26th Estonian Chemistry Days : abstracts of scientific conference 2000 / lk. 155-156

Quantum chemical evaluation of the yield of hydroxybenzophenones in the Fries rearrangement of hydroxyphenyl benzoates

Metsala, Andrus; Usin, Eve; Vallikivi, Imre; Villo, Ly; Pehk, Tõnis; Parve, Omar Journal of molecular structure : THEOCHEM 2004 / p. 215-221 : ill <https://www.sciencedirect.com/science/article/pii/S016612800400750X>

Switched enantiopreference of Humicola lipase for 2-phenoxyalkanoic acid ester homologs can be rationalized by different substrate binding modes

Berglund, P.; Vallikivi, Imre; Fransson, Linda; Dannacher, H.; Holmquist, M.; Martinelle, M.; Björkling, F.; Parve, Omar; Hunt, K. Tetrahedron : asymmetry 1999 / p. 4191-4202 <https://www.sciencedirect.com/science/article/pii/S0957416699004383>

Synthesis of deoxy sugar esters : a chemoenzymatic stereoselective approach affording deoxy sugar derivatives also in the form of aldehyde

Villo, Ly; Danilas, Kady; Metsala, Andrus; Kreen, Malle; Vallikivi, Imre; Vija, Sirje; **Pehk, Tõnis;** Luciano, Saso; **Parve, Omar**
Journal of organic chemistry 2007 / p. 5813-5816 <https://pubs.acs.org/doi/10.1021/jo062640b>

Tetrahüdropüranüül-blokitud mandelhappe kasutamine kiraalse derivatiseerimisagendina

Parve, Omar; Pals, A.; **Vallikivi, Imre;** Lahe, Lilja; **Lille, Ülo** XVI Eesti keemiapäevad : teaduskonverentsi ettekannete referaadid = 16th Estonian chemistry days : abstracts of scientific conference 1995 / lk. 106-108

The modelling and kinetic investigation of the lipase-catalysed acetylation of stereoisomeric prostaglandins

Vallikivi, Imre; Fransson, Linda; Hult, Karl; **Järving, Ivar; Pehk, Tõnis; Samel, Nigulas; Tõugu, Vello; Villo, Ly; Parve, Omar**
Journal of molecular catalysis B : enzymatic 2005 / p. 62-69 : ill

The tetrahydropyranyl-protected mandelic acid : a novel versatile chiral derivatising agent

Parve, Omar; Aidnik, Madis; **Lille, Ülo; Martin, Ivar; Vallikivi, Imre; Vares, Lauri; Pehk, Tõnis** Tetrahedron : asymmetry 1998 / p. 885-896: ill <https://www.sciencedirect.com/science/article/abs/pii/S0957416698000536>

Thermomyces lanuginosus lipase with closed lid catalyzes elimination of acetic acid from 11-acetyl-prostaglandin E2

Villo, Ly; Metsala, Andrus; Tamp, Sven; Parve, Jaan; Vallikivi, Imre; **Järving, Ivar; Nigulas, Samel; Lille, Ülo; Pehk, Tõnis; Parve, Omar** ChemCatChem 2014 / p. 1998-2010 : ill <https://doi.org/10.1002/cctc.201400019> [Journal metrics at Scopus](#) [Article at Scopus](#) [Journal metrics at WOS](#) [Article at WOS](#)