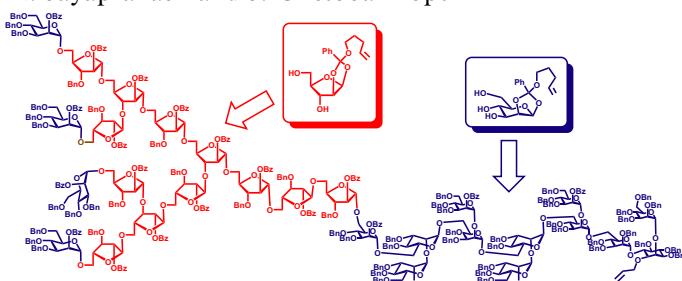


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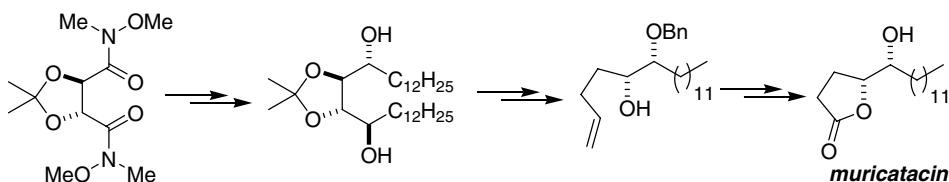
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Enantiospecific synthesis of (−)-muricatacin from L-(+)-tartaric acid

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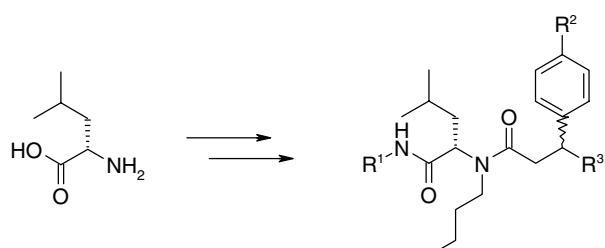
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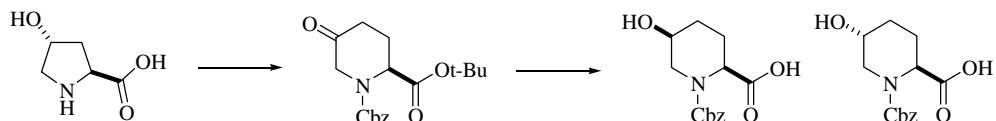
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Diastereoselective synthesis of (2*S*,5*S*)- and (2*S*,5*R*)-*N*-benzyloxycarbonyl-5-hydroxypipeolic acids from *trans*-4-hydroxy-L-proline

pp 2479–2486

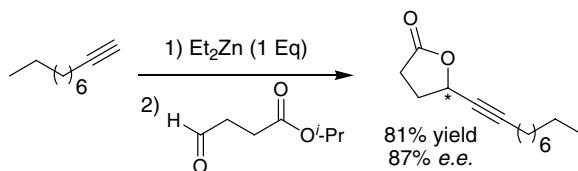
Jae-Chul Jung and Mitchell A. Avery*



Convergent and enantioselective syntheses of both enantiomers of (5*Z*)-tetradecen-4-olide, scarab beetle pheromones

pp 2487–2490

Alcindo A. Dos Santos* and Wittko Francke

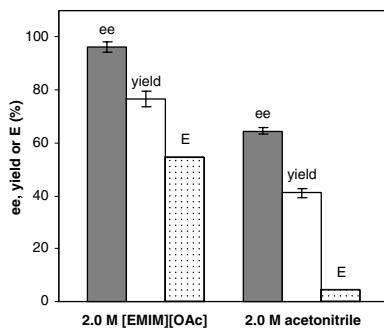


Using ionic liquid [EMIM][CH₃COO] as an enzyme-'friendly' co-solvent for resolution of amino acids

pp 2491–2498

Hua Zhao,* Lee Jackson, Zhiyan Song and Olarongbe Olubajo

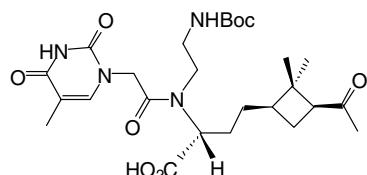
The kinetic resolution of DL-phenylalanine methyl ester catalyzed by lyophilized *Bacillus licheniformis* protease was carried out at 30 °C in 2.0 M [EMIM][CH₃COO] and 2.0 M acetonitrile, respectively. At 40 min reaction time, much higher ee and yield were obtained in the ionic liquid (IL) solution than those in the organic solution, suggesting that this IL stabilizes the enzyme while the organic solvent deactivates it.



Cyclobutyl-carbonyl substituted PNA: synthesis and study of a novel PNA derivative

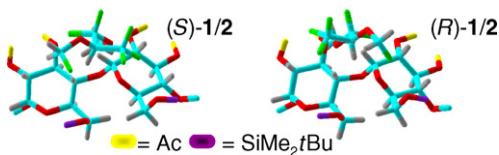
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Gemma P. Aguado, Federico Rúa, Vicenç Branchadell, Peter E. Nielsen and Rosa M. Ortúñoz*



Highly efficient NMR enantiodiscrimination of 1,1,1,3,3-pentafluoro-2-(fluoromethoxy)-3-methoxypropane, a chiral degradation product of sevoflurane, by heptakis(2,3-di-O-acetyl-6-O-*tert*-butyldimethylsilyl)- β -cyclodextrin pp 2504–2510

Gloria Uccello-Barretta, Giuseppe Sicoli, Federica Balzano, Volker Schurig and Piero Salvadori*



An alternative stereoselective synthesis of the macrocyclic fragrances (*R*)-12-methyltridecanolide and (*S*)-muscolide by means of an asymmetric catalytic conjugate addition/Baeyer–Villiger oxidation

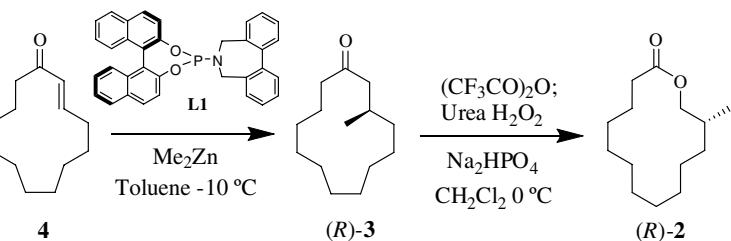
pp 2511–2515

Patrizia Scafato, Augusto Larocca and Carlo Rosini*

Compound (*R*)-2 is a natural constituent of angelica root oil (*Archangelica officinalis* Hoffm.).

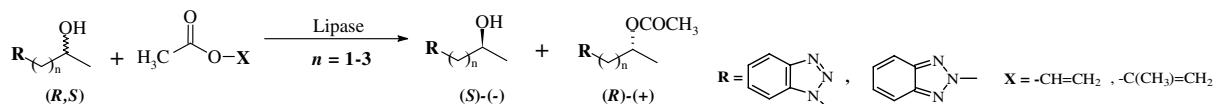
It's possesses a *musk note with a sandalwood tonality*. [Kraft, P.; Frater G. *Chirality*, 2001, 13, 388–394].

The precious macrocyclic fragrance (*R*)-2 has been obtained in good yield and high (92%) enantiomeric excess by asymmetric catalytic conjugate addition of dimethylzinc to the α,β -unsaturated ketone 4, followed by a regioselective Baeyer–Villiger oxidation of (*R*)-3. Using the same procedure the structurally similar fragrance (*S*)-muscolide has been obtained.



Preparation of various enantiomerically pure (benzotriazol-1-yl)- and (benzotriazol-2-yl)-alkan-2-ols pp 2516–2530

Beata K. Pchelka,* André Loupy and Alain Petit



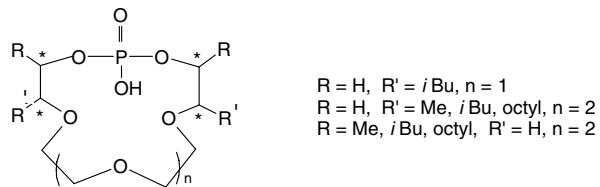
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Radovan Šebesta,* Ambróz Almassy, Ivana Císařová and Štefan Toma

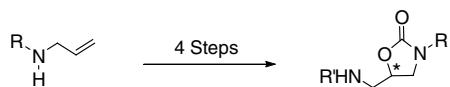


Synthesis of new enantiopure proton-ionizable crown ethers containing a dialkylhydrogenphosphate moiety pp 2538–2547
Ilona Kovács, Péter Huszthy,* Ferenc Bertha and Dénes Sziebert



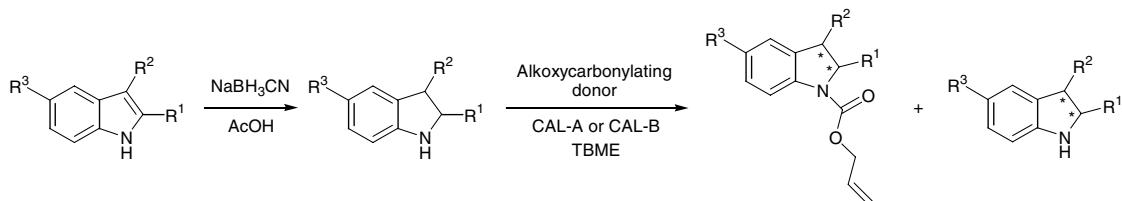
Synthesis of enantiomerically pure (+)- and (-)-protected 5-aminomethyl-1,3-oxazolidin-2-one derivatives from allylamine and carbon dioxide pp 2548–2557

Isabelle Fernández and Luis Muñoz*



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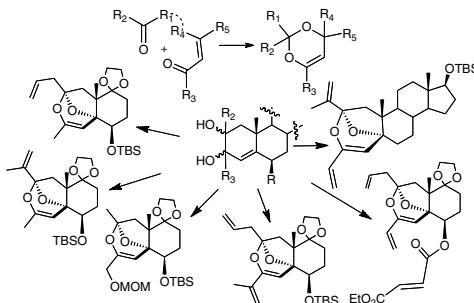
Vicente Gotor-Fernández, Pedro Fernández-Torres and Vicente Gotor*



The domino chemistry approach to molecular complexity: high-yielding bis-hetero intramolecular Diels–Alder reactions with ketone components pp 2565–2591

Angeline Chanu, Isabel Castellote, Aurelien Commeureuc,
Imad Safir and Siméon Arseniyadis*

The bis-ketone option of a domino generated intramolecular bis-hetero Diels–Alder reaction, allowing for a stereodefined construction of oxygen heterocycles is described.



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*Corresponding author

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