

Tetrahedron Letters Vol. 49, No. 40, 2008

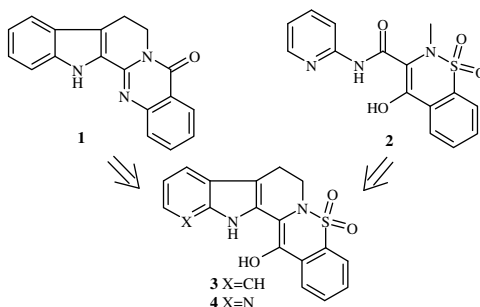
Contents

COMMUNICATIONS

Bioisosteric hybrids of two anti-inflammatory agents, rutaecarpine and piroxicam

pp 5711–5713

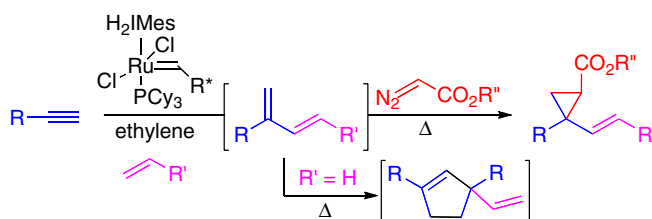
Máté Bubenyák *, Béla Noszál, Kristóf Kóczyán, Mária Takács, Szabolcs Béni, István Hermez, József Kökösi



Ruthenium-catalyzed tandem enyne-cross metathesis–cyclopropanation: three-component access to vinyl cyclopropanes

pp 5714–5717

Ryan P. Murelli, Silvia Catalán, Michael P. Gannon, Marc L. Snapper *



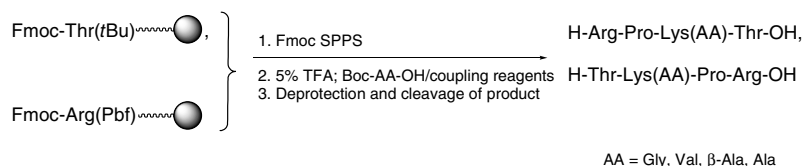
Substituted vinylcyclopropanes are prepared in a single flask from olefins, alkynes, and diazoesters.



Synthesis of linear tuftsin analogues modified at the ε-amino group of lysine

pp 5718–5720

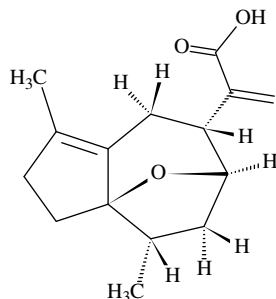
Magdalena Kukowska-Kaszuba *, Krystyna Dzierzbicka, Zbigniew Maćkiewicz



Lacitemzine, a novel sesquiterpene acid from the Tunisian plant *Pulicaria laciniata* (Coss. et Kral.) Thell.

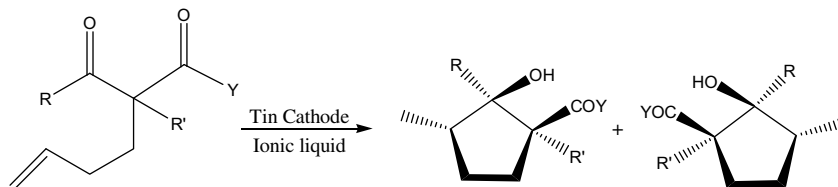
pp 5721–5723

Hatem Ghouila, Ahlem Beyaoui, Hichem Ben Jannet *, Besma Hamdi, Abdelhamid Ben Salah, Zine Mighri

**A new diastereoselective intramolecular electroreductive coupling of unsaturated β -ketoesters and β -ketoamides in ionic liquids at a tin cathode**

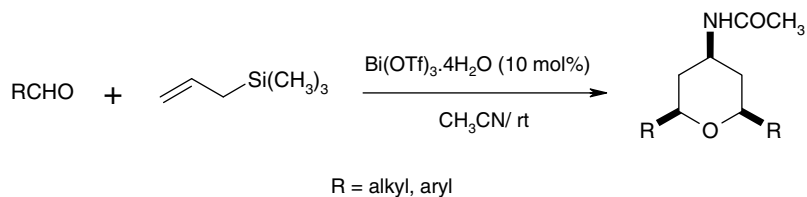
pp 5724–5726

Ashok K. Yadav *, Meera Manju, Manoj Kumar, Tripti Yadav, Renuka Jain

**A Sakurai–Prins–Ritter reaction sequence for the diastereoselective synthesis of 4-amidotetrahydropyrans catalyzed by bismuth triflate**

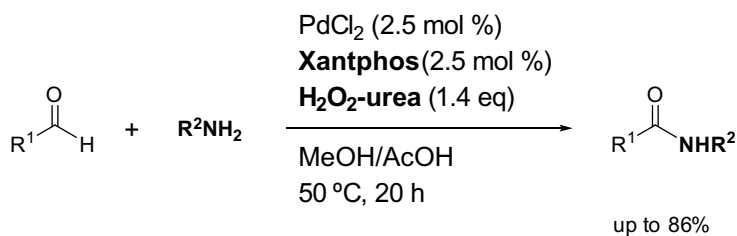
pp 5727–5731

Gowravaram Sabitha *, M. Bhikshapathi, Sambit Nayak, J. S. Yadav, R. Ravi, A. C. Kunwar

**Pd-catalyzed oxidative amidation of aldehydes with hydrogen peroxide**

pp 5732–5735

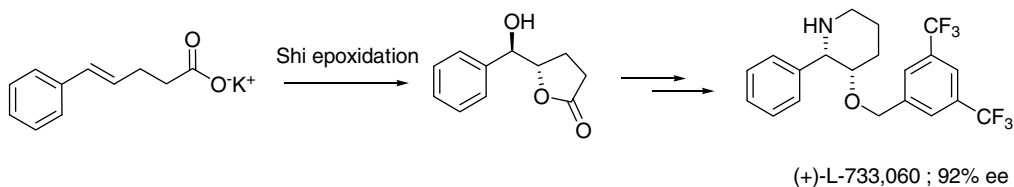
Yutaka Suto *, Noriyuki Yamagiwa, Yasuhiro Torisawa *

A new oxidative amidation with H₂O₂ is described.

A short enantioselective synthesis of (+)-L-733,060 via Shi epoxidation of a homoallylic carboxylate

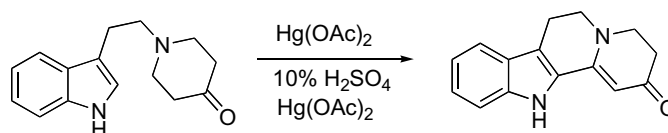
pp 5736–5738

Lourdusamy Emmanuvel, Arumugam Sudalai *

**A new route to heterocyclic compounds by the mercuric acetate oxidation of *N*-alkyl substituted 4-piperidones**

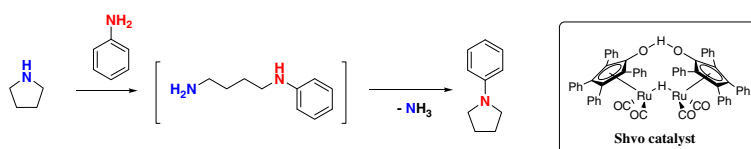
pp 5739–5741

Andrew C. Flick, Albert Padwa *

**A novel salt-free ruthenium-catalyzed alkylation of aryl amines**

pp 5742–5745

Dirk Hollmann, Sebastian Bähn, Annegret Tillack, Rudy Parton, Rinke Altink, Matthias Beller *

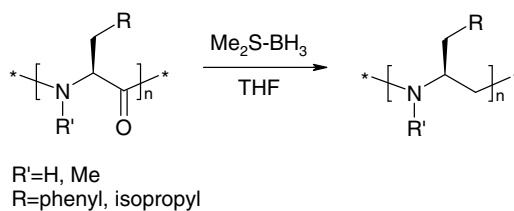


For the first time the alkylation of aryl amines using cyclic amines, for example, pyrrolidine is described. This novel reaction proceeds without the need of external hydrogen or pressure under ambient conditions in the presence of the Shvo catalyst.

**Synthesis and catalytic properties of diverse chiral polyamines**

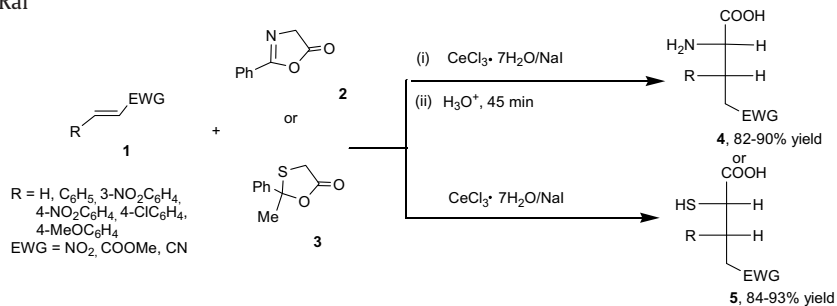
pp 5746–5750

Mindy Levine, Craig S. Kenesky, Shengping Zheng, Jordan Quinn, Ronald Breslow *



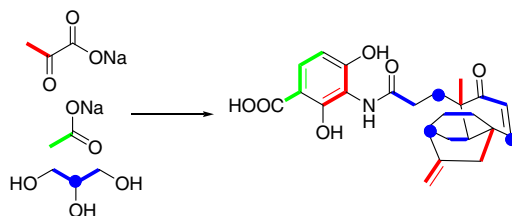
Direct introduction of glycine/mercaptoacetic acid units into electron-poor alkenes: a novel route to functionally rich α -amino/ α -mercapto acids

pp 5751–5754

Lal Dhar S. Yadav^{*}, Ankita Rai

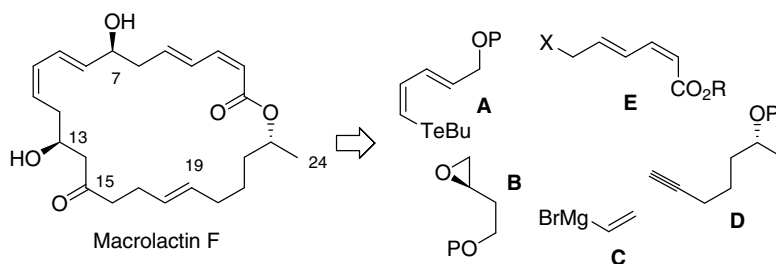
Biosynthetic studies of platencin

pp 5755–5758

Kithsiri Herath, Athula B. Attygalle, Sheo B. Singh^{*}

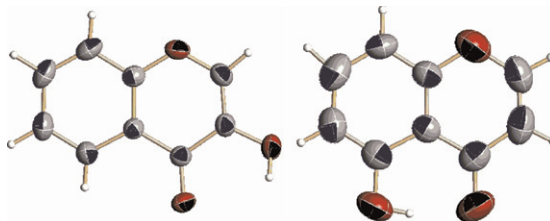
Synthesis of the C7–C24 fragment of (–)-Macrolactin F

pp 5759–5761

Roberta A. Oliveira, Juliana M. Oliveira, Luis H. S. Rahmeier^{*}, Joao V. Comasseto, Joseph P. Marino, Paulo H. Menezes^{*}

Intra- and intermolecular hydrogen bonding in 3-hydroxy- and 5-hydroxychromone

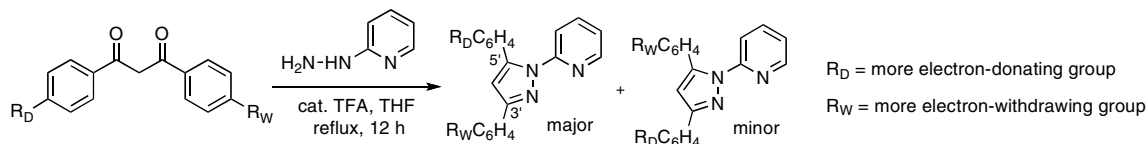
pp 5762–5765

Nursen Binbuga, Tor P. Schultz, William P. Henry^{*}

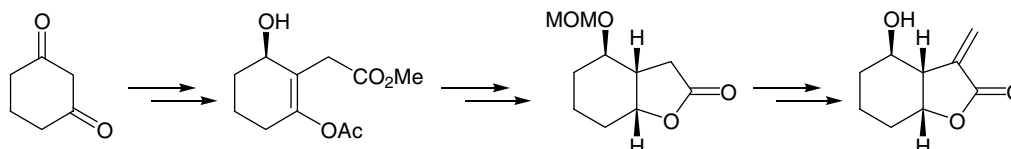
Comparison of hydrogen bonding parameters between the title compounds and related flavones highlights the significance of the B phenyl ring for this interaction in 3-OH but not 5-OH derivatives.

Electronic effects in the reaction of 1,3-diaryl-1,3-diketones with hydrazinopyridines

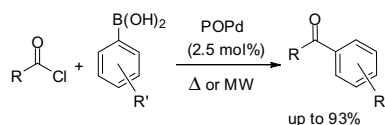
pp 5766–5769

Nathan C. Duncan, Charles M. Garner ^{*}, Tim Nguyen, Fernando Hung, Kevin Klausmeyer**Synthesis of homoallylic oxygenated α -methylene- γ -butyrolactones: a model for preparing biologically active natural lactones**

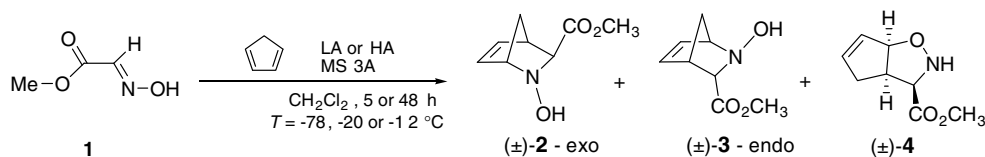
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Daiane Cristina Sass, Kleber Thiago de Oliveira, Mauricio Gomes Constantino ^{*}**Palladium-phosphinous acid-catalyzed cross-coupling of aliphatic and aromatic acyl chlorides with boronic acids**

pp 5773–5776

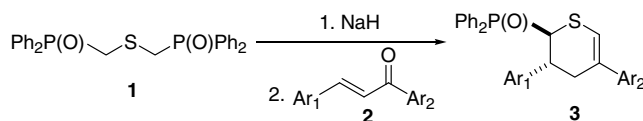
Kekeli Ekoue-Kovi, Hanhui Xu, Christian Wolf ^{*}**Acid-catalyzed aza-Diels–Alder versus 1,3-dipolar cycloadditions of methyl glyoxylate oxime with cyclopentadiene**

pp 5777–5781

Carlos A. D. Sousa, M. Luísa C. Vale, José E. Rodríguez-Borges ^{*}, Xerardo Garcia-Mera, Jesús Rodríguez-Otero

Synthesis of 2-diphenylphosphinoyl-3,5-(diaryl)-3,4-dihydro-2H-thiopyrans by the reaction of a bis[(diphenylphosphinoyl)methyl]sulfide with chalcones

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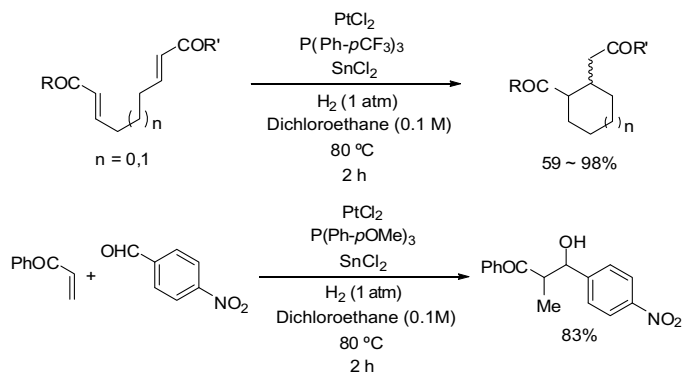
Claudio C. Silveira ^{*}, Francieli Rinaldi, Mariana M. Bassaco, Teodoro S. Kaufman

Platinum-catalyzed reductive coupling of activated alkenes under hydrogenation conditions

pp 5785–5788

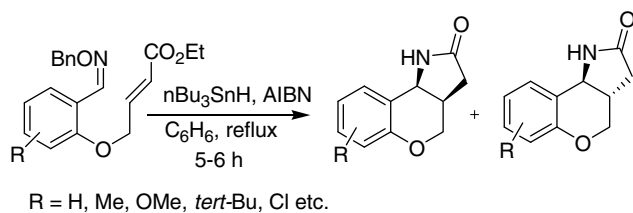
Harim Lee, Min-Soo Jang, Jong-Tai Hong, Hye-Young Jang ^{*}

The Pt complex generated from PtCl_2 , PR_3 , and SnCl_2 catalyzes the reductive coupling of activated alkenes under environmentally benign hydrogenation conditions. Various bis-enones participated in the intramolecular cyclization, forming the desired cyclization products in moderate to good yield. Inter-molecular reductive coupling of the enone and the aldehyde provided the coupling product in good yield. This methodology illustrates the first use of platinum complexes in hydrogen-mediated couplings of activated alkenes.



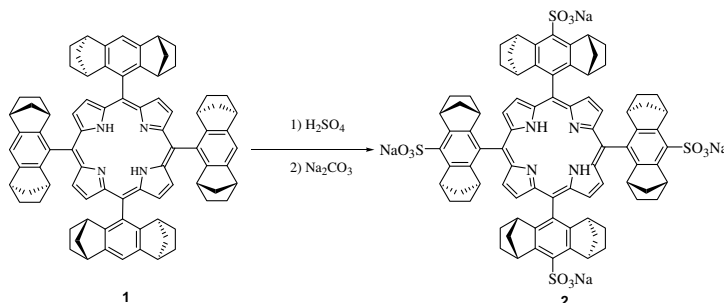
Scope of the radical addition–cyclization–elimination reaction of oxime ether towards the synthesis of tricyclic lactam derivatives

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Habibur Rahaman, Atsushi Shirai, Okiko Miyata, Takeaki Naito ^{*}

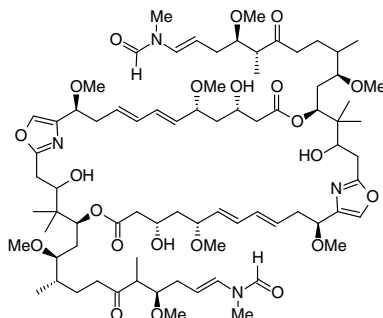
Synthesis of chiral water-soluble metalloporphyrins (Fe, Ru): new catalysts for asymmetric carbene transfer in water

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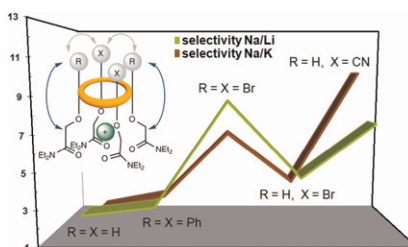
Irène Nicolas, Paul Le Maux, Gérard Simonneaux ^{*}

Isolation and structure revision of the actin-binding macrolide rhizopodin from *Myxococcus stipitatus* (Myxobacteria)

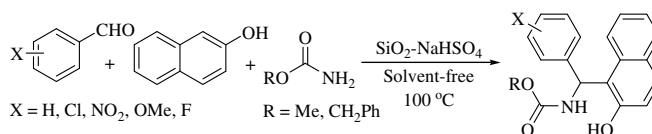
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Rolf Jansen ^{*}, Heinrich Steinmetz, Florenz Sasse, Wolf-Dieter Schubert, Gregor Hagelüken, Simone C. Albrecht, Rolf Müller
Information transfer in calix[4]arenes: influence of upper rim substitution on alkaline metal complexation at the lower rim

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Daniel T. Schühle, Sascha Klimosch, Jürgen Schatz ^{*}
A three-component novel synthesis of 1-carbamato-alkyl-2-naphthol derivatives

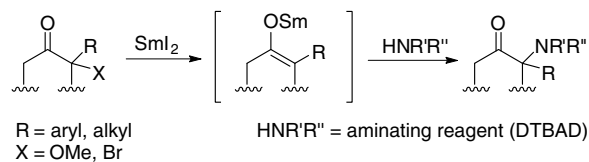
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Hamid Reza Shaterian ^{*}, Asghar Hosseinian, Majid Ghashang

A new one-pot, efficient three-component condensation of benzaldehydes, 2-naphthol, and carbamates in the presence of silica supported sodium hydrogen sulfate as an effective heterogeneous catalyst for the synthesis of novel 1-carbamato-alkyl-2-naphthol derivatives under solvent-free conditions is described.

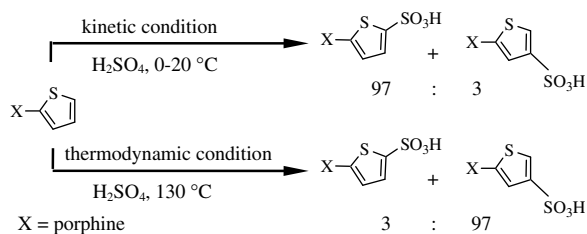
Samarium diiodide-promoted electrophilic amination of ketone enolates: efficient synthesis of quaternary carbon-containing α -aminated ketones

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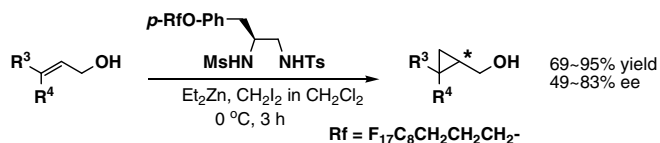
Xing-Wen Sun, Wei Wang, Ming-Hua Xu ^{*}, Guo-Qiang Lin ^{*}

Regioselective sulfonation of 2-porphyrinylthiophene under kinetic and thermodynamic control

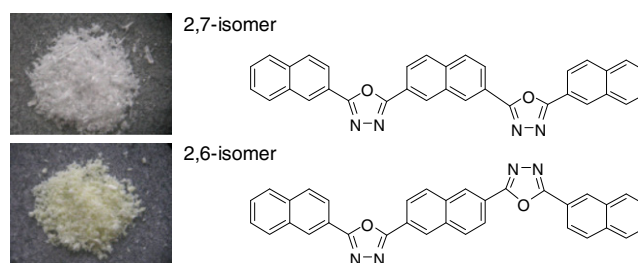
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Yonbon Arai ^{*}, Jotaro Nakazaki, Hiroshi Segawa ^{*}**Catalytic enantioselective cyclopropanation of allylic alcohols using recyclable fluorosulfonamide ligand**

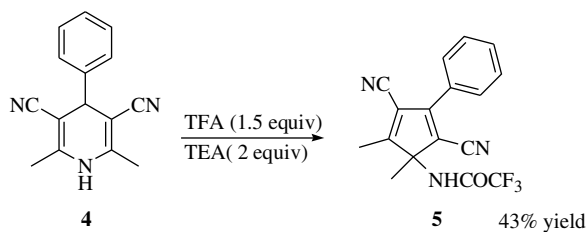
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Tsuayoshi Miura, Keisuke Itoh, Yumi Yasaku, Naka Koyata, Yasuoki Murakami, Nobuyuki Imai ^{*}**Synthesis and properties of naphthalene trimers linked by 1,3,4-oxadiazole spacers**

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Katsuhiko Ono ^{*}, Hiroki Ito, Akihiro Nakashima, Mariko Uemoto, Masaaki Tomura, Katsuhiko Saito**Rearrangement of 3,5-dicyano-1,4-dihydropyridines to densely functionalized cyclopentadienes**

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Stefania Fusi ^{*}, Fabio Ponticelli, Antonio Ventura, Mauro F. A. Adamo ^{*}

*Corresponding author

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