

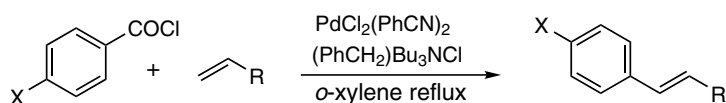
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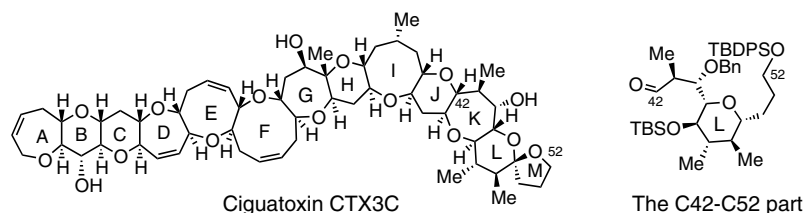
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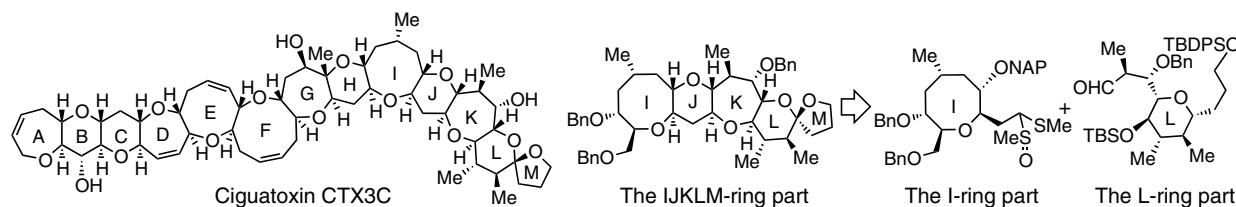
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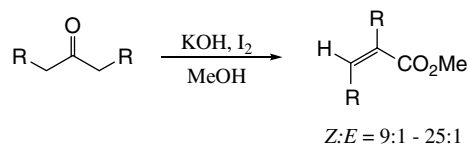
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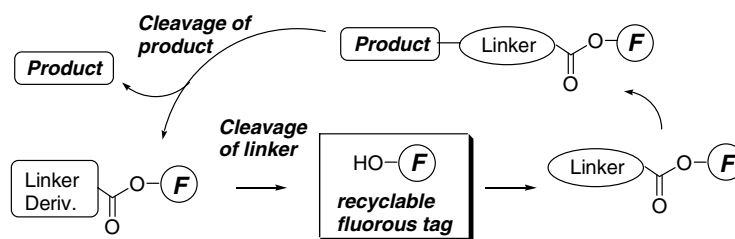
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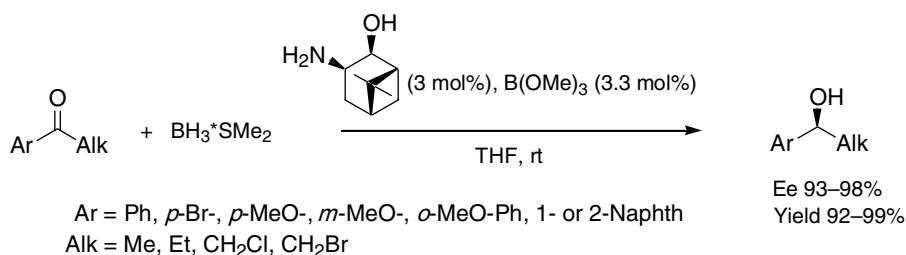
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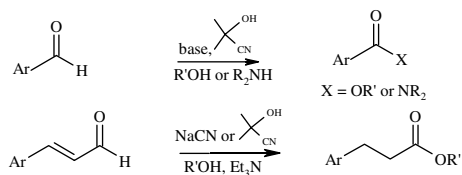
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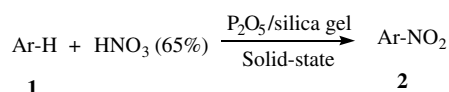
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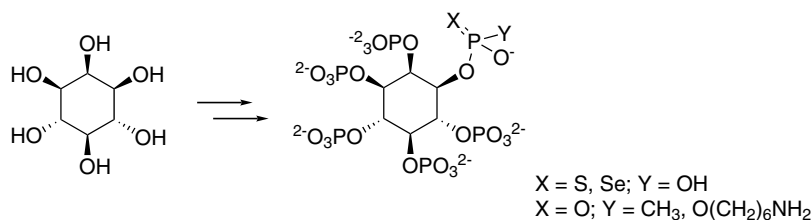
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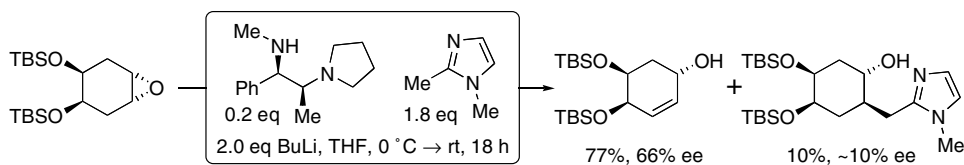
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**Scope and limitations of the catalytic asymmetric rearrangement of epoxides to allylic alcohols using chiral lithium amide bases/lithiated imidazoles**

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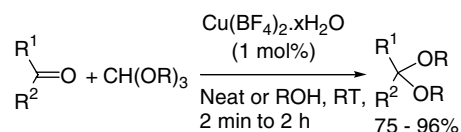
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Copper(II) tetrafluoroborate as a novel and highly efficient catalyst for acetal formation

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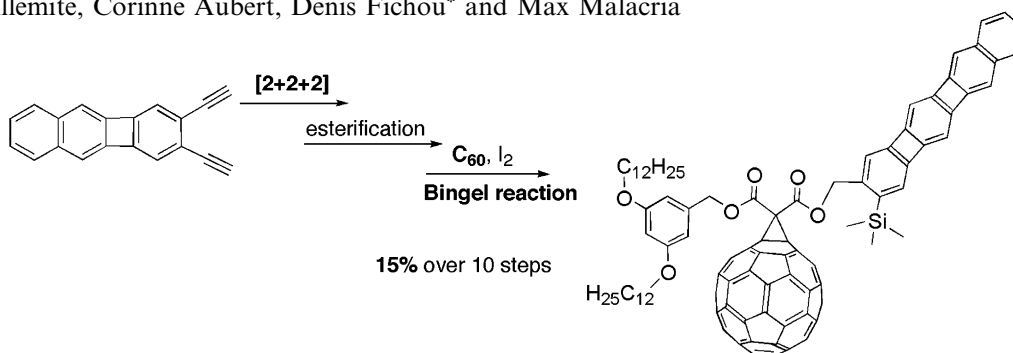


Commercially available copper(II) tetrafluoroborate hydrate efficiently catalyses dimethyl/diethyl acetal formation from aldehydes and ketones by reaction with trimethyl/triethyl orthoformate in high yields and in short period at room temperature.

**Synthesis of a linear benzo[3]phenylene-[60]fullerene dyad**

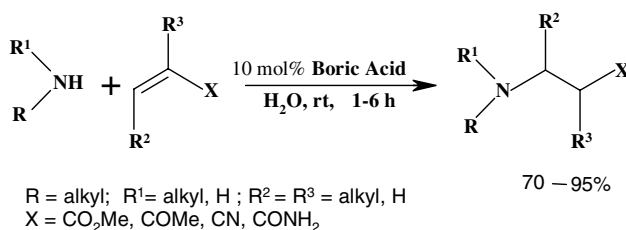
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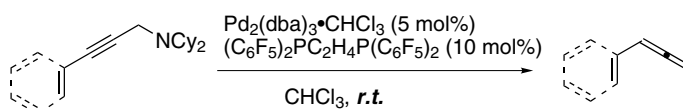
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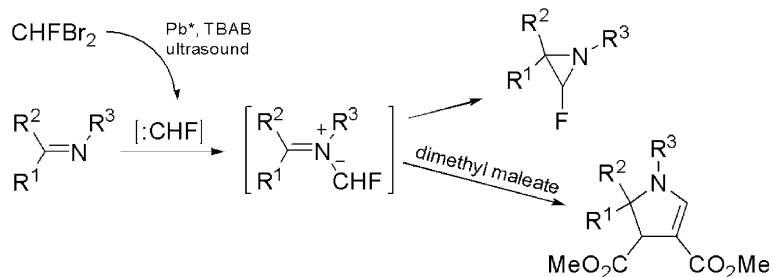
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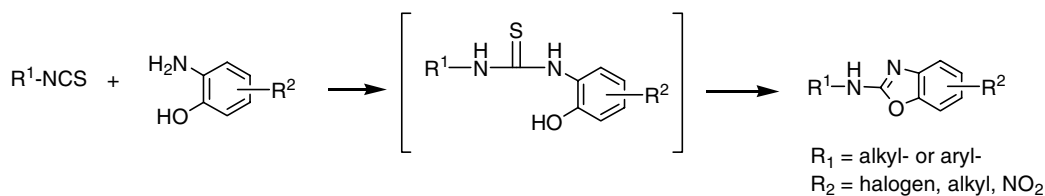
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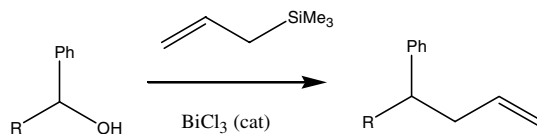
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Bismuth(III) chloride-catalyzed direct deoxygenative allylation of substituted benzylic alcohols with allyltrimethylsilane

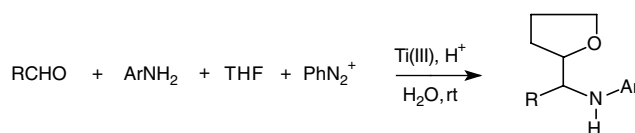
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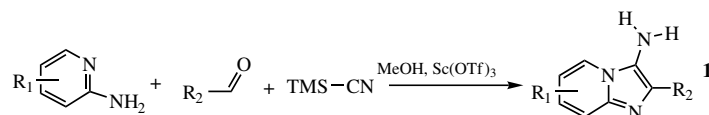
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New multi-component reaction accessing 3-aminoimidazo[1,2-*a*]pyridines

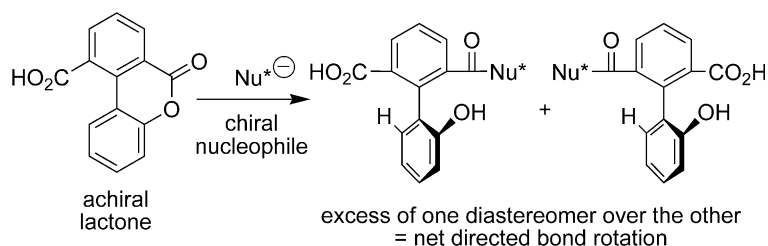
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**Net directed 180° aryl–aryl bond rotation in a prototypical achiral biaryl lactone synthetic molecular motor**

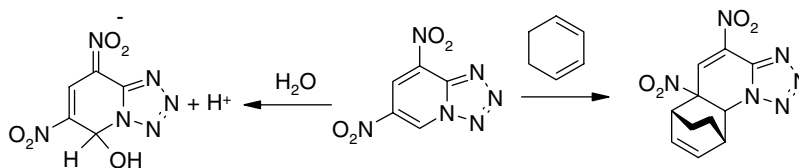
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Ying Lin, Bart J. Dahl and Bruce P. Branchaud*

**A criterion to demarcate the dual Diels–Alder and σ -complex behaviour of aromatic and heteroaromatic superelectrophiles**

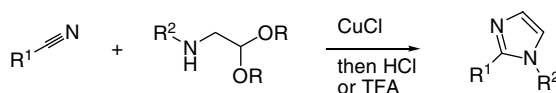
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R. Goumont,* F. Terrier,* D. Vichard, S. Lakhdar, Julian M. Dust and E. Buncel*

**Expedient synthesis of substituted imidazoles from nitriles**

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Rogelio P. Frutos,* Isabelle Gallou, Diana Reeves, Yibo Xu, Dhileepkumar Krishnamurthy and Chris H. Senanayake

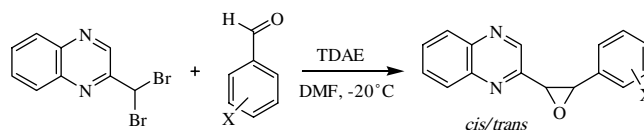


Expedient and practical new methodology for the synthesis of substituted imidazoles was developed to provide rapid access to a variety of 2-substituted, 1,2-disubstituted and 1,2,4-trisubstituted imidazoles by the direct CuCl-mediated reaction of nitriles with α -amino acetals in an intermolecular as well as intramolecular fashion.

Original synthesis of oxiranes via TDAE methodology: reaction of 2,2-dibromomethylquinoxaline with aromatic aldehydes

pp 8373–8376

Marc Montana, Thierry Terme and Patrice Vanelle*

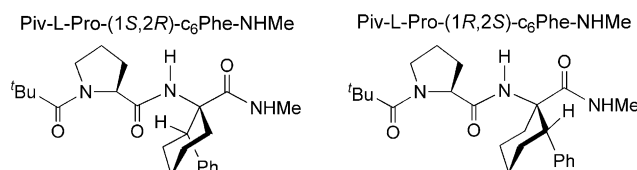


We report herein the reaction of 2,2-dibromomethylquinoxaline with aromatic aldehydes in the presence of TDAE. These reactions lead to a mixture of *cis/trans*-isomers of corresponding oxiranes.

Model dipeptides incorporating the *trans* cyclohexane analogues of phenylalanine: further evidence of the relationship between side-chain orientation and β -turn type

pp 8377–8380

Marta Lasa, Ana I. Jiménez, María M. Zurbano and Carlos Cativiela*

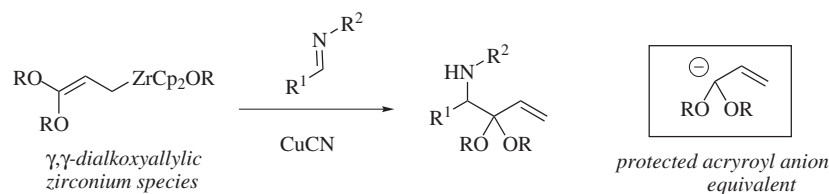


The model dipeptides incorporating the *trans* cyclohexane analogues of phenylalanine accommodate β -turn types that depend on the aromatic side-chain disposition, which is fixed by the stereochemistry of the cyclohexane ring.

Copper-catalyzed addition reaction of γ,γ -dialkoxyallylic zirconium species with imines

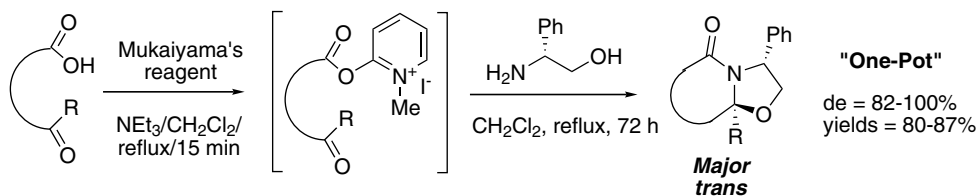
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Azusa Sato, Hisanaka Ito, Midori Okada, Yuko Nakamura and Takeo Taguchi*

**Meyers' bicyclic lactam formation under mild and highly stereoselective conditions**

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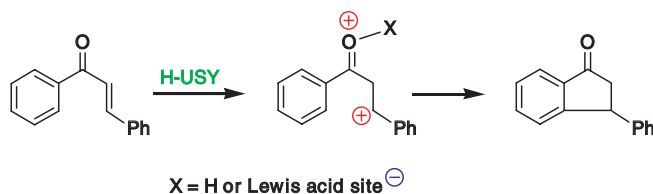
Maël Penhoat, Stephane Leleu, Georges Dupas, Cyril Papamicaël, Francis Marsais and Vincent Levacher*



Cyclization of 1-phenyl-2-propen-1-ones into 1-indanones using H-zeolite and other solid acids.
The role of mono- and dicationic intermediates

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Konstantin Yu. Koltunov, Stéphane Walspurger* and Jean Sommer

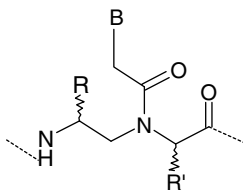


Available solid acids such as HUSY-zeolite, sulfated zirconia or heteropolyacid, $\text{H}_3\text{PW}_{12}\text{O}_{40}$ are successfully applied instead of superacids in cyclization of aryl vinyl ketones into 1-indanones. The cases, when the effective excess of acidic sites of the solid is required to carry out the reaction, are interpreted in terms of key dicationic (superelectrophilic) intermediacy.

Synthesis of new chiral PNAs bearing a dipeptide-mimic monomer with two lysine-derived stereogenic centres

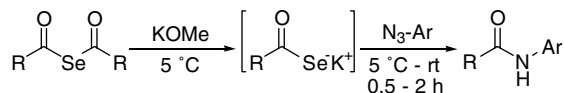
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Tullia Tedeschi, Stefano Sforza, Roberto Corradini and Rosangela Marchelli*


Amide bond formation from selenocarboxylates and aromatic azides

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Xinghua Wu and Longqin Hu*

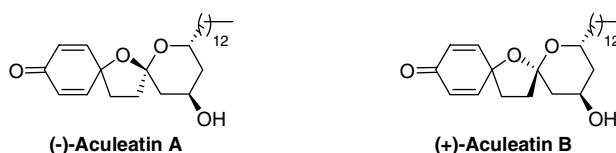


A new method of amide bond formation was developed through the reaction of potassium selenocarboxylates with aromatic azides at room temperature. Excellent yields were obtained when electron deficient aromatic azides were used.

Enantioselective synthesis and absolute configurations of aculeatins A and B

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Eva Falomir, Paula Álvarez-Bercedo, Miguel Carda* and J. Alberto Marco*

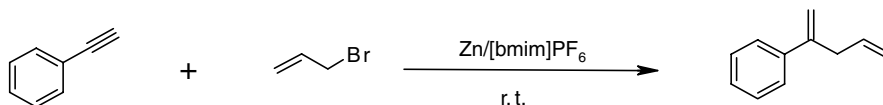


The naturally occurring, bioactive spiroacetals aculeatins A and B have been synthesized for the first time in enantiopure form. A previous configurational assignment has been corrected.

Zn/[bmim]PF₆-mediated Markovnikov allylation of unactivated terminal alkynes

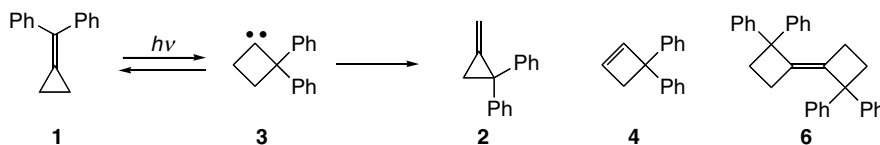
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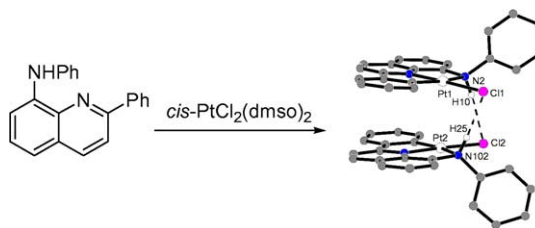
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Yasutake Takahashi,* Yoko Mori, Akiko Nakamura and Hideo Tomioka

**New tridentate cyclometalated platinum(II) and palladium(II) complexes of *N*,2-diphenyl-8-quinolinamine: syntheses, crystal structures, and photophysical properties**

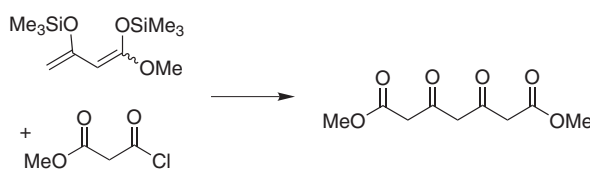
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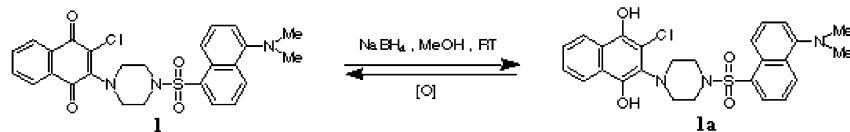
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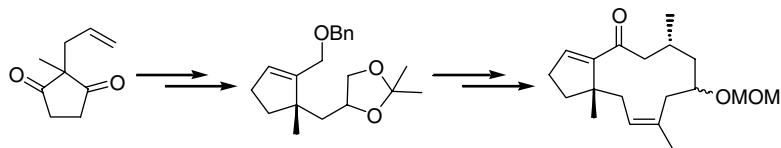
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**General synthetic approach to bicyclo[9.3.0]tetradecenone: a versatile intermediate to clavulactone and clavirolides**

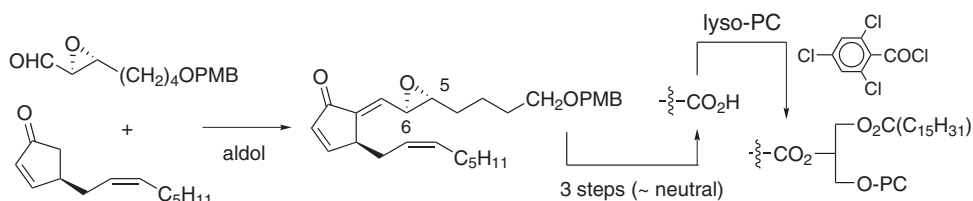
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Bingfeng Sun and Xingxiang Xu*

**Synthesis of phosphorylcholines possessing 5,6- or 14,15-epoxyisoprostane A₂ at *sn*-2 position**

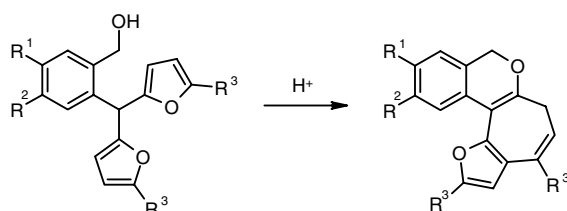
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**Furan ring opening—isochromene ring closure: a new approach to isochromene ring synthesis**

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Alexander V. Butin,* Vladimir T. Abaev, Vladimir V. Mel'chin and Artem S. Dmitriev

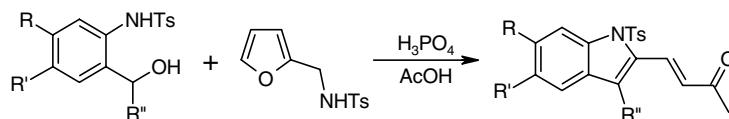


A new approach toward the synthesis of 1*H*-isochromenes based on the recyclization of the furan ring in the corresponding *ortho*-hydroxymethylbenzylfurans is described.

Furan ring opening—indole ring closure: pseudooxidative furan ring opening in the synthesis of indoles

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Alexander V. Butin* and Sergey K. Smirnov



A new approach to the synthesis of 4-(2-indolyl)-3-buten-2-ones is described based on condensation of 2-tosylaminobenzyl alcohols with *N*-tosylfurfurylamine.

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