

Tetrahedron Letters Vol. 46, No. 22, 2005

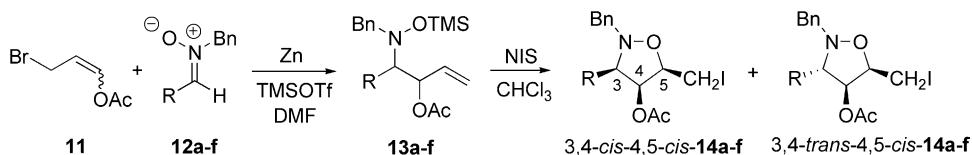
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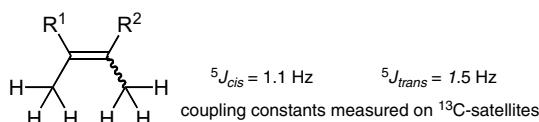
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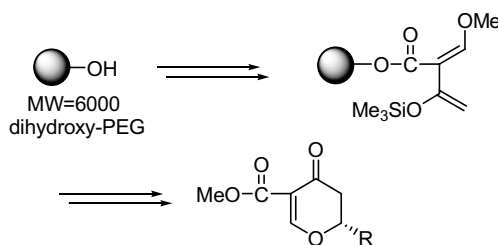
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**Liquid-phase parallel synthesis of 2-aryl-5-methoxycarbonyl-dihydropyrones using soluble polymer support**

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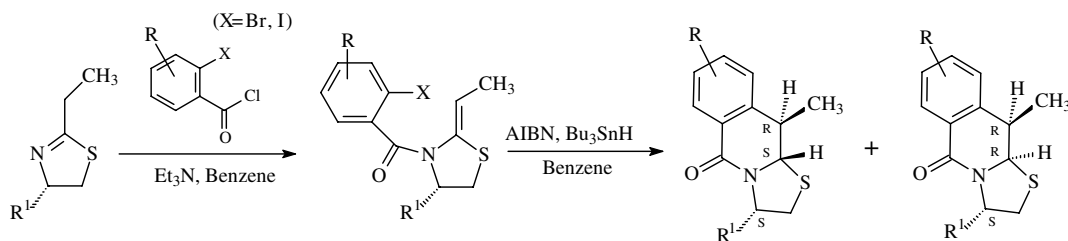
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Aryl radical cyclizations of *N*-(2-halobenzoyl)-cyclic ketene-*N,S*-acetals

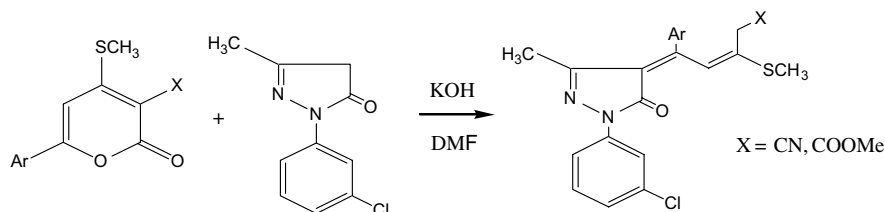
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Aihua Zhou\* and Charles U. Pittman, Jr.\*

Stereoselective alkenylation of a 1,3-disubstituted pyrazol-5-one through ring transformation of 2*H*-pyran-2-ones

pp 3807–3809

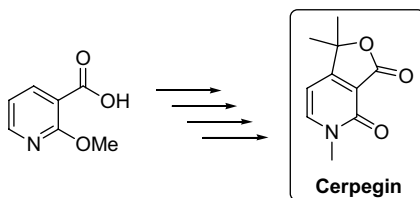
Diptesh Sil, Rishi Kumar, Ashoke Sharon, Prakas R. Maulik and Vishnu Ji Ram\*



## ‘One-pot’ four-step synthesis of cerpegin

pp 3811–3813

Jalal Lazaar, Christophe Hoarau, Florence Mongin, Francois Trécourt, Alain Godard, Guy Quéguiner and Francis Marsais\*

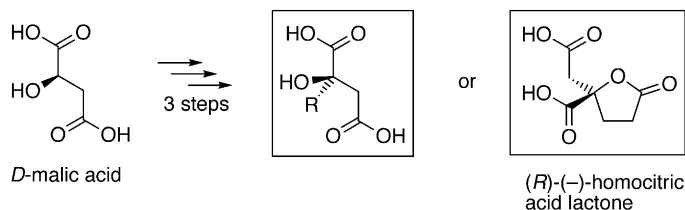


Cerpegin was synthesized through ‘one-pot’ four synthetic steps in a 71% overall yield.

A facile method for synthesis of (*R*)-(-)- and (*S*)-(+)-homocitric acid lactones and related  $\alpha$ -hydroxy dicarboxylic acids from D- or L-malic acid

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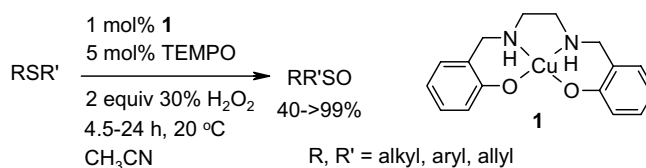
Peng-Fei Xu, Tsuyoshi Matsumoto, Yasuhiro Ohki and Kazuyuki Tatsumi\*



**Copper catalyzed oxidation of sulfides to sulfoxides with aqueous hydrogen peroxide**

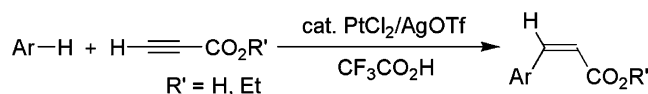
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Subbarayan Velusamy, Akkilagunta V. Kumar, Rakesh Saini and T. Punniyamurthy\*

**Efficient and selective hydroarylation of propiolic acids and their esters with arenes catalyzed by a PtCl<sub>2</sub>/AgOTf system**

pp 3823–3827

Juzo Oyamada and Tsugio Kitamura\*

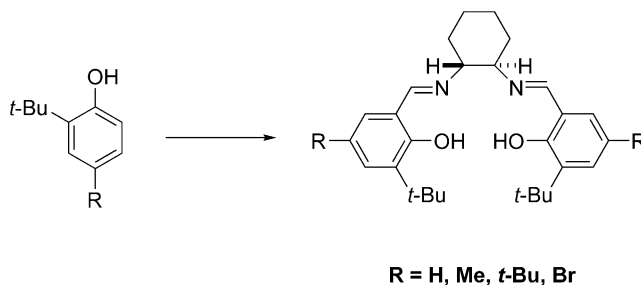


PtCl<sub>2</sub>/AgOTf-catalyzed hydroarylation of propiolic acids and their esters proceeded effectively and selectively to give (2*Z*)-cinnamic acid derivatives in good to high yields.

**A high yielding one-pot method for the preparation of salen ligands**

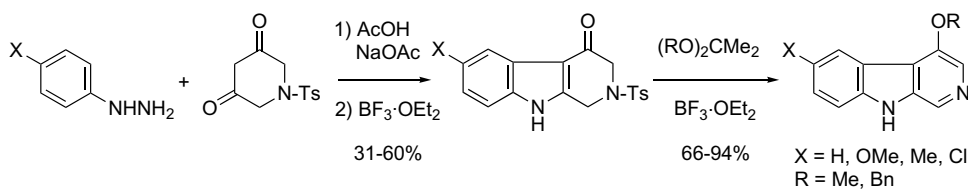
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Trond Vidar Hansen\* and Lars Skattebøl

**A new synthesis of 4-oxygenated β-carboline derivatives by Fischer indolization**

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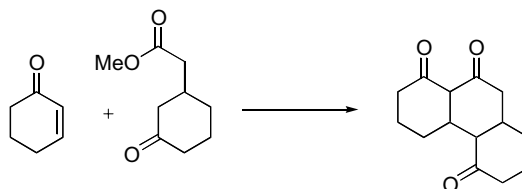
Hideharu Suzuki,\* Yoshiyuki Tsukakoshi, Takuya Tachikawa, Yuusuke Miura, Makoto Adachi and Yasuoki Murakami



**A new tricyclic triketone from tandem condensation reactions**

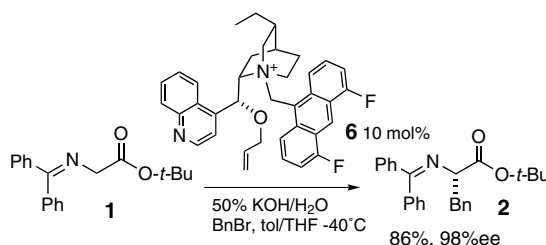
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I. David Reingold,\* Anna M. Butterfield, Bevin C. Daglen, Robert S. Walters, Jr., Kathryn Allen, Susan Scheuring, Katrina Kratz, Milan Gembický and Peter Baran

**Highly selective glycine phase-transfer catalysis using fluoroanthracenylmethyl cinchonidine catalysts**

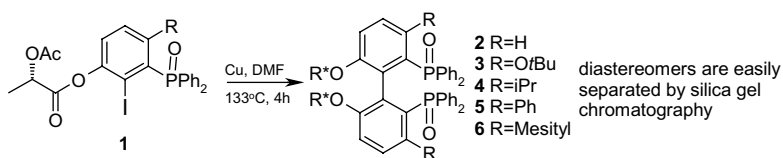
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Merritt B. Andrus,\* Zhifeng Ye and Jiuqing Zhang

**Avoiding the classical resolution during the synthesis of MeO-BIPHEP and 3,3'-disubstituted derivatives**

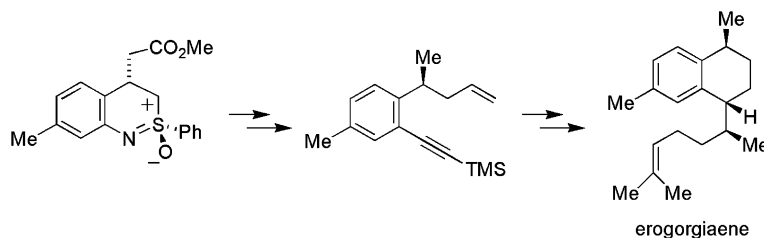
pp 3843–3846

Evgueni Gorobets, Bronwen M. M. Wheatley, J. Matthew Hopkins, Robert McDonald and Brian A. Keay\*

**Benzothiazines in synthesis. Formal synthesis of erogorgiaene**

pp 3847–3849

Michael Harmata\* and Xuechuan Hong

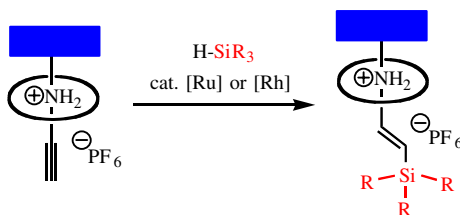


An enantiomerically pure benzothiazine was converted to a known precursor to the anti-tubercular natural product erogorgiaene in good overall yield.

**Efficient synthesis of [2]- and higher order rotaxanes via the transition metal-catalyzed hydrosilylation of alkyne**

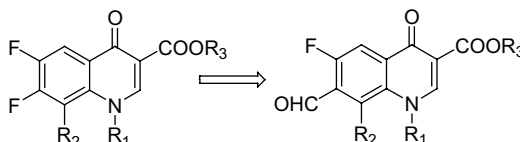
pp 3851–3853

Hisahiro Sasabe, Nobuhiro Kihara,\* Kazuhiko Mizuno, Akiya Ogawa and Toshikazu Takata\*

**Arylation of nitromethane: masked nucleophilic formylation of fluoroquinolones**

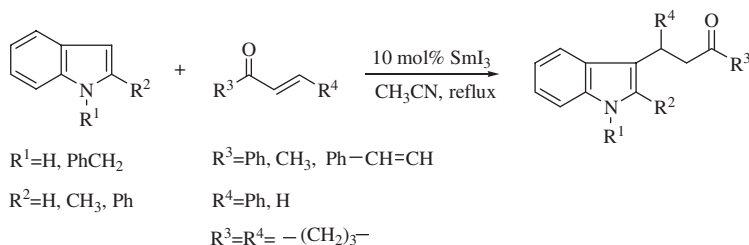
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Zhenfa Zhang\* and Weicheng Zhou

**Samarium triiodide-catalyzed conjugate addition of indoles with electron-deficient olefins**

pp 3859–3862

Zhuang-Ping Zhan,\* Rui-Feng Yang and Kai Lang

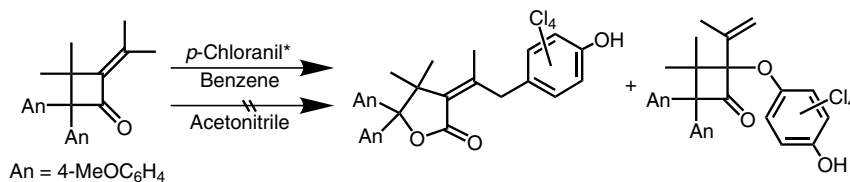


The  $\text{SmI}_3$ -catalyzed reaction of indoles with electron-deficient olefins generated the corresponding Michael adducts in high yields. The substitution on the indole nucleus occurred exclusively at the 3-position and *N*-alkylation products have not been observed.

**Significant solvent effects and unusual additions of *p*-chloranil in the photoinduced electron-transfer reaction of 2,2-dianisyl-4-isopropylidene-3,3-dimethylcyclobutanone**

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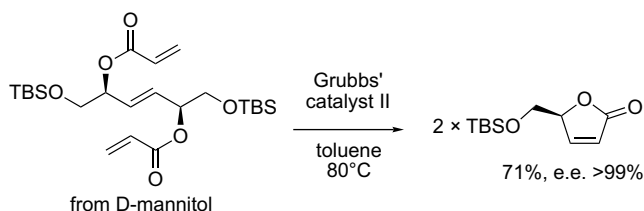
Hiroshi Ikeda,\* Futoshi Tanaka and Chizuko Kabuto



**A domino ring-closing metathesis as a key-step in the synthesis of chiral lactones from D-mannitol**

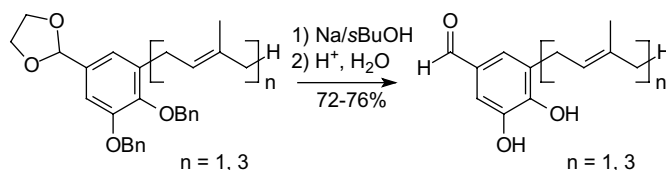
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Bastien Nay,\* Nicolas Gaboriaud-Kolar and Bernard Bodo

**Application of benzyl protecting groups in the synthesis of prenylated aromatic compounds**

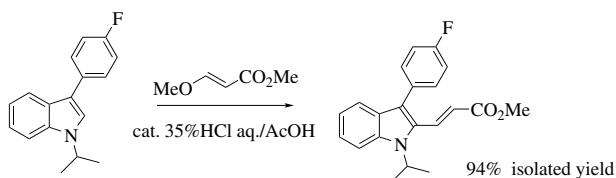
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Sina I. Odejinmi and David F. Wiemer\*

**A practical synthesis of 3-indolyl  $\alpha,\beta$ -unsaturated carbonyl compounds**

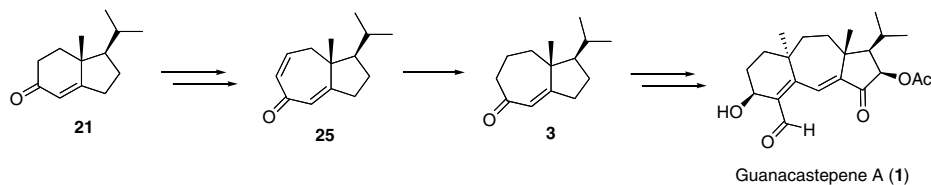
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Weiqi Wang and Tetsuya Ikemoto\*

**A protocol to accomplish 'homo-Robinson' annulation: application to the guanacastepene problem**

pp 3879–3882

Heedong Yun and Samuel J. Danishefsky\*

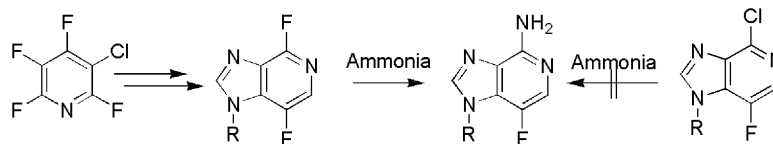


A sequence which accomplishes the preparation of cycloheptadienones by ring-expansion of fused cyclohexenones has been developed and applied to the improved synthesis of a key intermediate in the total synthesis of guanacastepene A.

**Direct S<sub>N</sub>Ar amination of fluorinated imidazo[4,5-c]pyridine nucleosides: efficient syntheses of 3-fluoro-3-deazaadenosine analogs**

pp 3883–3887

Kandasamy Sakthivel\* and P. Dan Cook

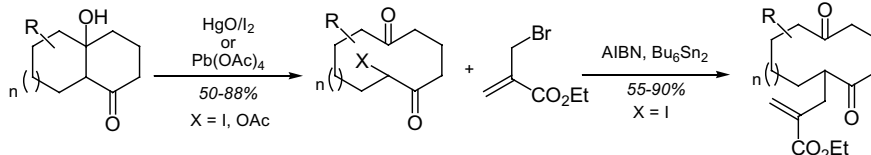
R =  $\beta$ -D-ribofuranosyl, 2-C-methyl- $\beta$ -D-ribofuranosyl, 3-deoxy- $\beta$ -D-ribofuranosyl

3,6-Difluoro-3-deazapurine ribonucleoside analogs underwent direct S<sub>N</sub>Ar amination reactions with liquid ammonia to give 3-fluoro-3-deazaadenosine analogs in excellent yield; in contrast, 6-chloro-3-fluoro-3-deazapurine nucleosides were inert.

**Efficient access to functionalised medium-ring systems by radical fragmentation/radical addition to  $\alpha$ -iodoketones**

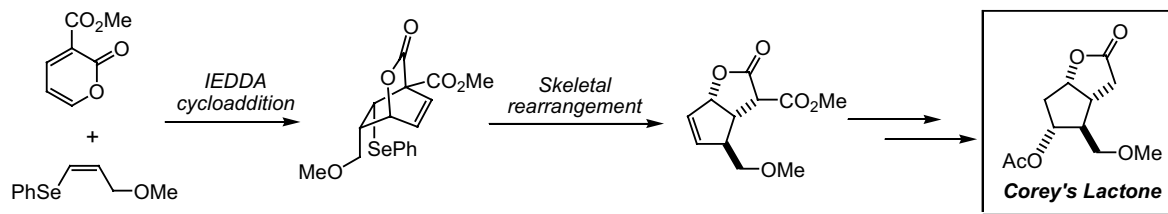
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Corinne De Dobbeleer, Ali Ates, Jean-Christophe Vanherk and István E. Markó\*

**Skeletal rearrangements of bicyclo[2.2.2]lactones: a short and efficient route towards Corey's lactone**

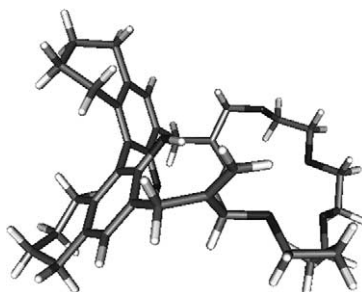
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Benoît Augustyns, Nuno Maulide and István E. Markó\*

**Synthesis of macrocyclic 1,1'-biarenol derivatives by the tandem Claisen rearrangement and their binding properties**

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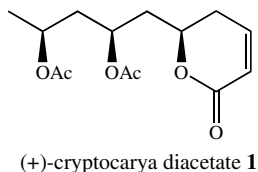
Hiroaki Yoshida, Yuka Kobayashi, Kazuhisa Hiratani\* and Kazuhiko Saigo\*



**Stereoselective total synthesis of (+)-cryptocarya diacetate by an iterative Jacobsen's hydrolytic kinetic resolution protocol**

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Palakodety Radha Krishna\* and V. V. Ramana Reddy

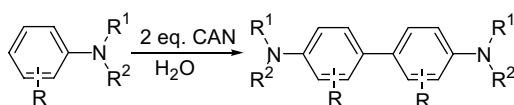


A combination of iterative Jacobsen's hydrolytic kinetic resolution and stereoselective reduction is adopted for the stereoselective synthesis of (+)-cryptocarya diacetate.

**Remarkably efficient oxidative coupling of *N,N*-dialkylarylamines in water mediated by cerium(IV) ammonium nitrate**

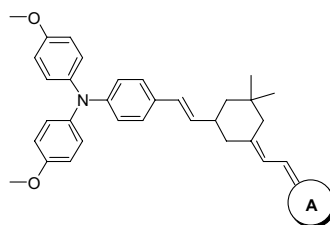
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Chanjuan Xi,\* Yanfeng Jiang and Xianghua Yang


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S. Suresh, Huseyin Zengin, Bryan K. Spraul, Takafumi Sassa, Tatsuo Wada and Dennis W. Smith, Jr.\*

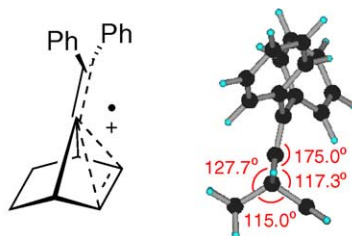


A = Electron Acceptors

**Spectroscopic and DFT evidence for a nonclassical radical cation derived from 7-benzhydrylidenenorbornene**

pp 3917–3921

Hiroshi Ikeda,\* Hayato Namai and Takashi Hirano

LFP:  $\lambda_{\text{max}}$  = 391 nm      DFT: bent structure

Nonclassical Radical Cation

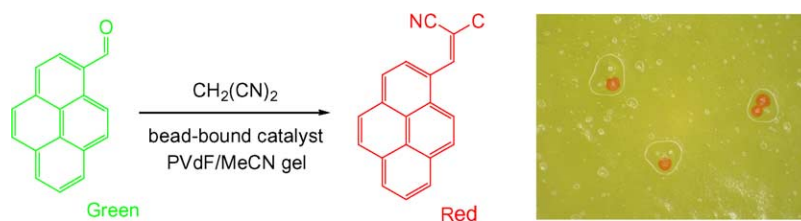




**Organogel media for on-bead screening in combinatorial catalysis**

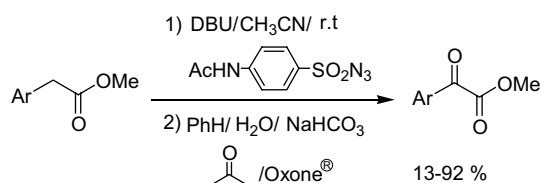
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Karl-Jonas Johansson, Marc R. M. Andreae, Albrecht Berkessel and Anthony P. Davis\*

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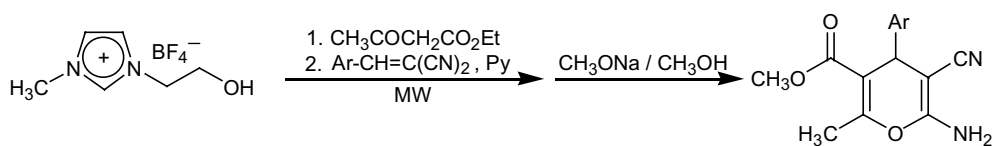
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Ming Ma, Changkun Li, Lingling Peng, Fang Xie, Xiu Zhang and Jianbo Wang\*

**Microwave-assisted liquid-phase synthesis of methyl 6-amino-5-cyano-4-aryl-2-methyl-4H-pyran-3-carboxylate using functional ionic liquid as soluble support**

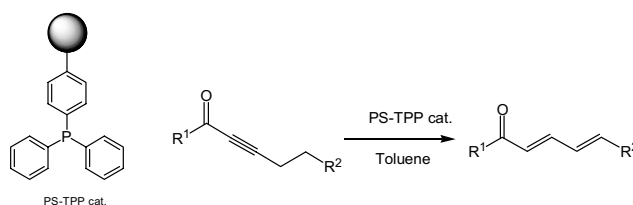
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Fengping Yi, Yanqing Peng and Gonghua Song\*

**Polymeric tertiaryphosphine as a green and recyclable organocatalyst for stereoselective isomerization reaction**

pp 3935–3937

Yugang Wang, Huanfeng Jiang,\* Hailing Liu and Peng Liu



A green, simple and effective polymeric organocatalytic system, polymer-supported triphenylphosphine (PS-TPP), for the stereoselective isomerization of  $\alpha,\beta$ -ynones to  $(E,E)$ - $\alpha,\beta,\gamma,\delta$ -dienones is reported here. The catalyst, PS-TPP could be recovered by simple filtration and reused several times with high activity.

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\*Corresponding author

①<sup>+</sup> Supplementary data available via ScienceDirect

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