

Tetrahedron Letters Vol. 52, No. 49, 2011

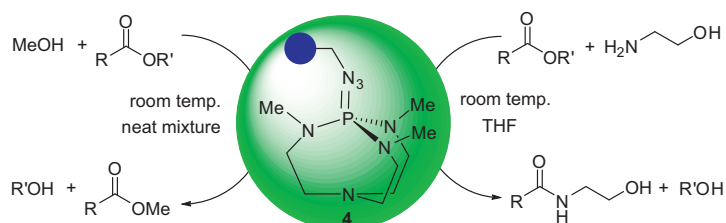
Contents

COMMUNICATIONS

Polymer-mounted $N_3=P(MeNCH_2CH_2)_3N$: a green, efficient and recyclable catalyst for room-temperature transesterifications and amidations of unactivated esters

pp 6523–6529

Venkat Reddy Chintareddy, Hung-An Ho, Aaron D. Sadow, John G. Verkade*



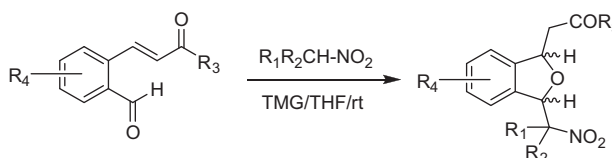
Merrifield resin-supported $N_3=P(MeNCH_2CH_2)_3N$ (**4**), shows excellent activity in the transesterification of higher esters such as glyceryl tribenzoate to methyl esters and in amidation reactions of unactivated esters with amino alcohols.



Tandem Henry/oxa-Michael route to the 1,3-disubstituted-1,3-dihydrobenzo[c]furan system

pp 6530–6533

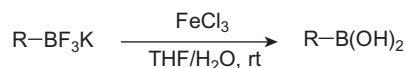
Frederick A. Luzzio*, Otome E. Okoromoba



Iron trichloride promoted hydrolysis of potassium organotrifluoroborates

pp 6534–6536

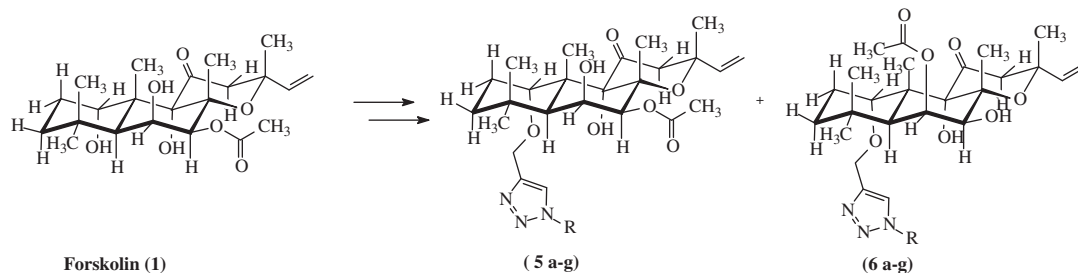
David W. Blevins, Min-Liang Yao, Li Yong, George W. Kabalka*



Synthesis of novel 1,4-disubstituted-1,2,3-triazole semi synthetic analogues of forskolin by click reaction

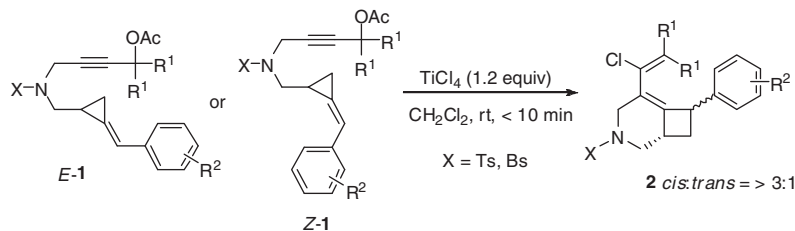
pp 6537–6540

M. Koteswara Reddy, K. Santosh Kumar, P. Sreenivas, G. L. David Krupadanam*, K. Janardhan Reddy


Titanium(IV) chloride-mediated intramolecular ring enlargement of methylenecyclopropanes with propargylic esters: a concise synthesis of bicyclo[4.2.0]oct-5-ene derivatives

pp 6541–6544

Zhen Zhang, Min Shi*

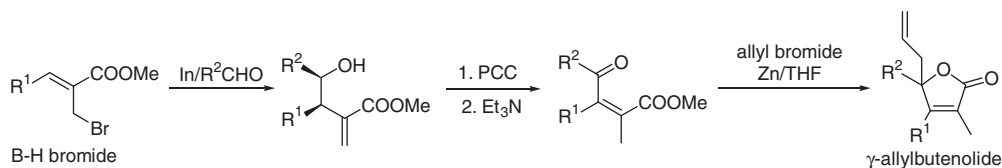


Titanium(IV) chloride-mediated intramolecular ring enlargement of methylenecyclopropanes with propargylic esters has been described in this context, affording the corresponding chlorinated bicyclo[4.2.0]oct-5-ene derivatives in moderate to good yields under mild conditions. The *E*- and *Z*-methylenecyclopropanes could all be converted to the corresponding bicyclo[4.2.0]oct-5-enes with moderate to high diastereoselectivities.


Facile synthesis of γ -alkenylbutenolides from Baylis–Hillman adducts: consecutive in-mediated Barbier allylation, PCC oxidation, isomerization, and Zn-mediated Barbier allylation

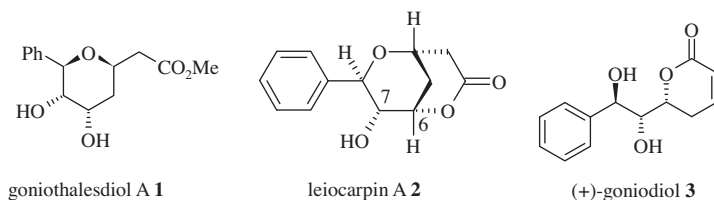
pp 6545–6549

Jin Woo Lim, Ko Hoon Kim, Bo Ram Park, Jae Nyoung Kim*


Tandem α -aminoxylation–allylation reaction based approach for the synthesis of goniethalesdiol A, leiocarpin A and (+)-goniodiol

pp 6550–6553

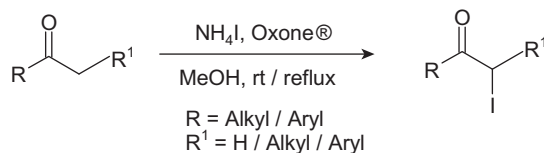
Gowravaram Sabitha*, T. Rammohan Reddy, J. S. Yadav



Oxidative iodination of carbonyl compounds using ammonium iodide and oxone®

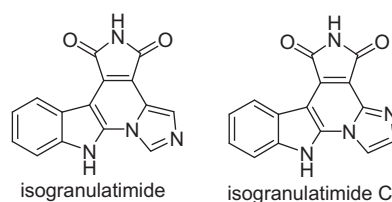
pp 6554–6559

Marri Mahender Reddy, Macharla Arun Kumar, Peraka Swamy, Nama Narendar*

**Efficient synthesis of isogranulatimide C, an analogue of the marine G2 checkpoint inhibitor alkaloid isogranulatimide**

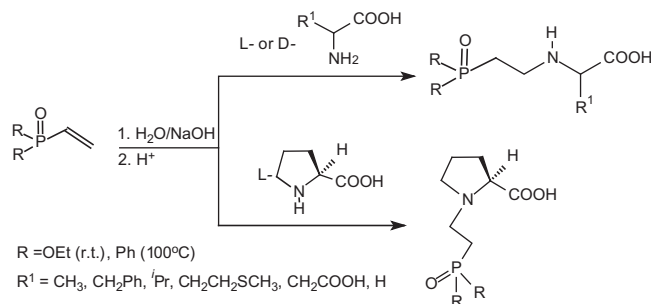
pp 6560–6561

Evelyne Delfourne*

**Amino acids as suitable N-nucleophiles for the aza-Michael reaction of vinylphosphoryl compounds in water**

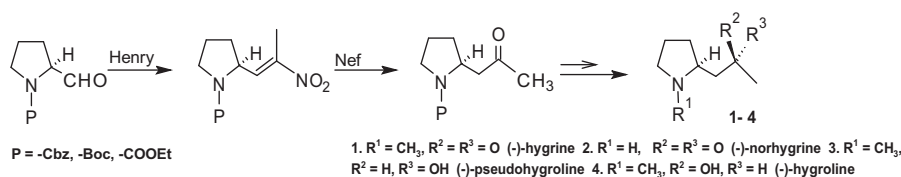
pp 6562–6565

Ekaterina V. Matveeva, Anatoly E. Shipov, Pavel V. Petrovskii, Irina L. Odinetz*

**Synthesis of (–)-hygrine, (–)-norhygrine, (–)-pseudohygroline and (–)-hygroline via Nef reaction**

pp 6566–6568

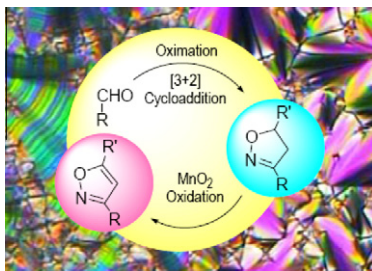
Chinmay Bhat, Santosh G. Tilve*



Expedient preparation of isoxazoles from Δ^2 -isoxazolines as advanced intermediates for functional materials

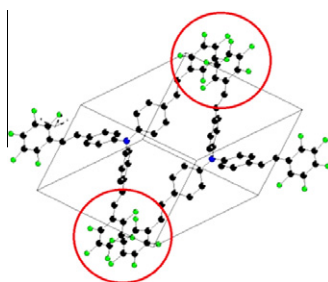
pp 6569–6572

Guilherme D. Vilela, Rafaela R. da Rosa, Paulo H. Schneider, Ivan H. Bechtold, Juliana Eccher, Aloir A. Merlo*

**Extended triphenylamine conjugated systems derivatized by perfluorophenyl groups**

pp 6573–6577

Emilie Ripaud, Charlotte Mallet, Magali Allain, Philippe Leriche*, Pierre Frère, Jean Roncali

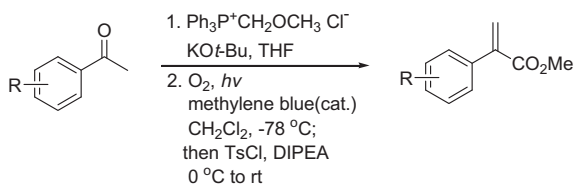


Triphenylamine derivatives bearing terminal perfluorophenyl groups have been synthesized and exhibit, in the solid state, multiple phenyl-perfluorophenyl and perfluorophenyl-perfluorophenyl interactions.

**Synthesis of 2-arylacrylic esters from aryl methyl ketones via Wittig reaction/singlet oxygen ene reaction**

pp 6578–6580

Sangjoon Park, Dongsik Yang, Kyoung Tae Kim, Heung Bae Jeon*

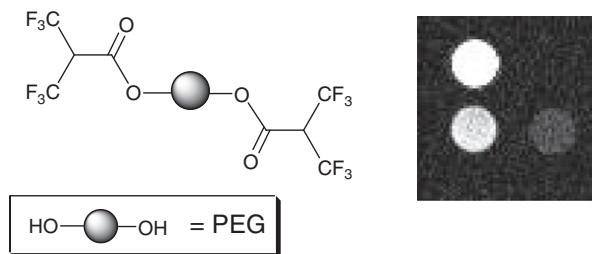


An efficient synthetic method has been developed for the synthesis of 2-arylacrylic esters from aryl methyl ketones.

**Poly(ethylene-glycol)-based fluorinated esters: a readily available entry for novel ^{19}F -MRI agents**

pp 6581–6583

Sergio Rossi, Maurizio Benaglia*, Marco Ortenzi, Edoardo Micotti, Carlo Perego, Maria Grazia De Simoni

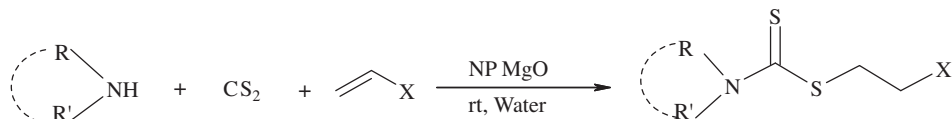


Novel water soluble fluorinated polymers for ^{19}F MRI: images have been obtained at three different concentrations.

An expedient, fast and competent synthesis of organic dithiocarbamates over nanocrystalline MgO in water at room temperature

pp 6584–6586

Bikash Karmakar, Julie Banerji*

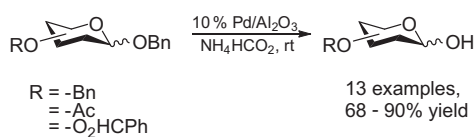


An expeditious and green protocol has been demonstrated for the synthesis of dithiocarbamates in the presence of nanocrystalline MgO in water with excellent yield.

Regioselective removal of the anomeric O-benzyl from differentially protected carbohydrates

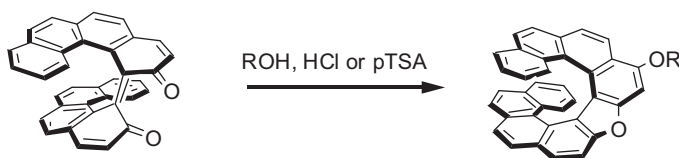
pp 6587–6590

Nigel Kevin Jalsa*

**Novel synthesis of alkoxy substituted oxa[9]helicenes by the reaction of helical quinone with alcohols**

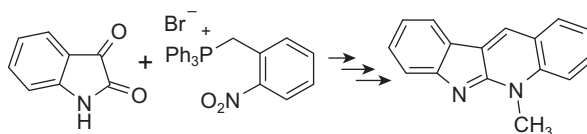
pp 6591–6593

Mohammad Salim, Hidenori Ubukata, Takao Kimura, Michinori Karikomi*

**An efficient synthesis of indoloquinoline alkaloid—neocryptolepine (cryptotackeine)**

pp 6594–6596

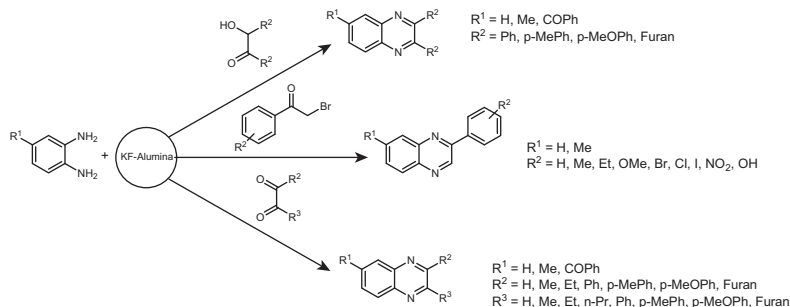
Prakash T. Parvatkar*, Santosh G. Tilve*



Synthesis of libraries of quinoxalines through eco-friendly tandem oxidation–condensation or condensation reactions

pp 6597–6602

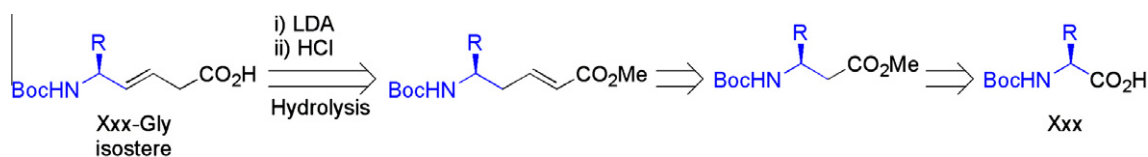
Susmita Paul, Basudeb Basu*



Kinetic deconjugation: a gateway to the synthesis of Xxx-Gly (*E*)-alkene dipeptide isosteres

pp 6603–6605

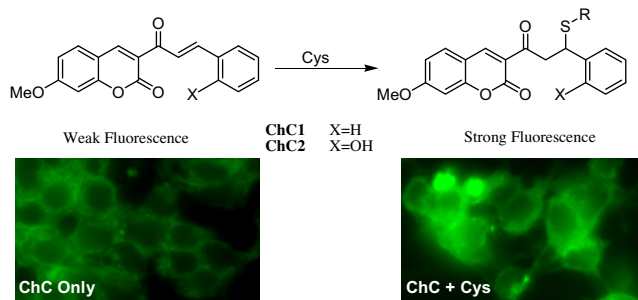
Arnaud Proteau-Gagné, Jean-François Nadon, Sylvain Bernard, Brigitte Guérin*, Louis Gendron*, Yves L. Dory*



The development of a fluorescence turn-on sensor for cysteine, glutathione and other biothiols. A kinetic study

pp 6606–6609

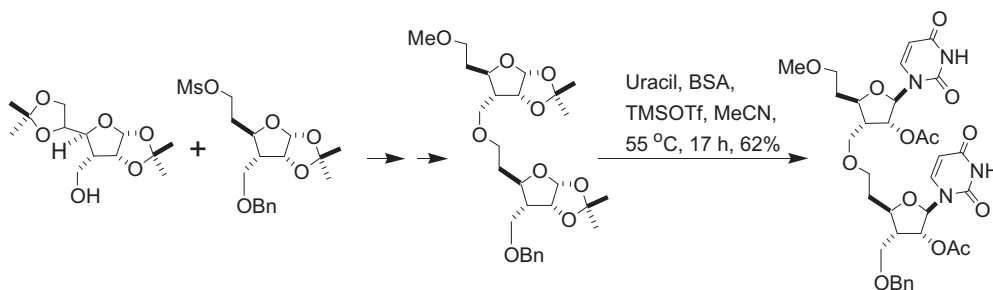
Olimpo García-Beltrán, Natalia Mena, Edwin G. Pérez, Bruce K. Cassels, Marco T. Nuñez, Francisca Werlinger, Daniel Zavala, Margarita E. Aliaga*, Paulina Pavez*



Synthesis of nonionic ether-backbone analogues of RNA from pseudooligosaccharides

pp 6610–6612

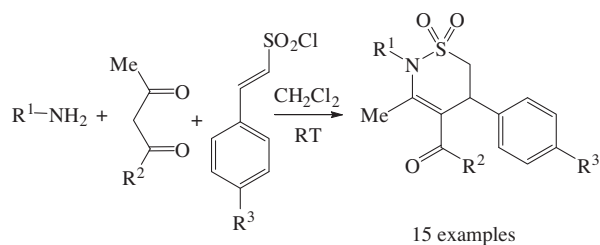
Prithwish Kumar Jana, Soumendra Nath Das, Sukhendu B. Mandal*, Anup Bhattacharjya*



One-pot, three-component synthesis of novel δ -sultam scaffolds via N-sulfonylation–intramolecular Michael sequences

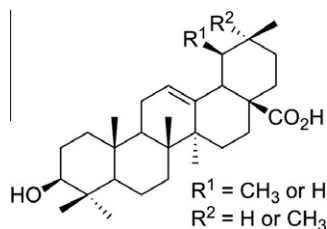
pp 6613–6615

Mehdi Ghandi*, Seyyed Hadi Nazari, Abolfazl Hasani Bozcheloei, Masoud Sadeghzadeh, Reza Kia

**A convenient separation of ursolic and oleanolic acid**

pp 6616–6618

René Csuk*, Bianka Siewert

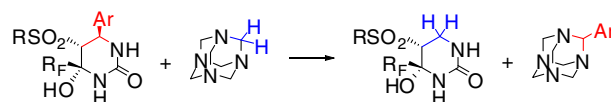


A convenient route has been developed to separate regioisomeric ursolic and oleanolic acid.

2-Oxo-2-polyfluoroalkylethane-1-sulfones and -sulfamides in the Biginelli and 'retro-Biginelli' reactions

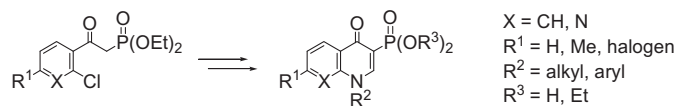
pp 6619–6622

Vadim M. Timoshenko*, Yuriy M. Markitanov, Yuriy G. Shermolovich

**Efficient syntheses of 3-phosphorylquinolin-4-ones and 3-phosphoryl-1,8-naphthyridin-4-ones**

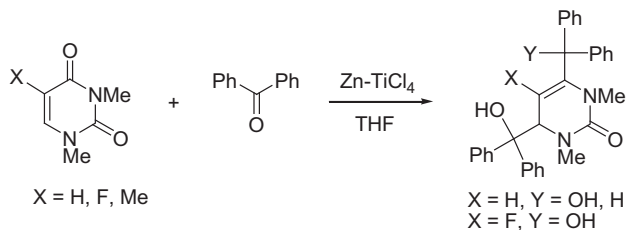
pp 6623–6626

Jacek Kędzia, Jakub Modranka, Tomasz Janecki*



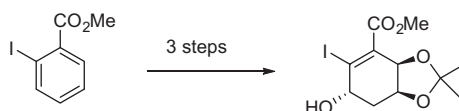
Reductive coupling of 1,3-dimethyluracils with benzophenone by low-valent titanium: unusual two-to-one coupling pp 6627–6631

Naoki Kise*, Shinta Akazai, Toshihiko Sakurai

**A short synthesis of nonracemic iodocyclohexene carboxylate fragment for kibdelone and congeners**

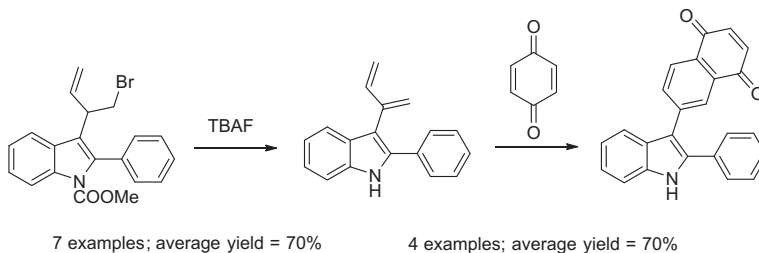
pp 6632–6634

Mary Ann A. Endoma-Arias, Tomas Hudlicky*

**Synthesis of 3-[2-(1,3-butadienyl)]-1H-indoles en route to murrapanine analogue**

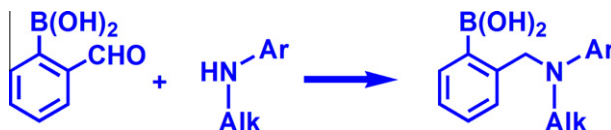
pp 6635–6638

Amrita Chakraborty, Surajit Sinha*

**Reactivity of 2-formylphenylboronic acid toward secondary aromatic amines in amination–reduction reactions**

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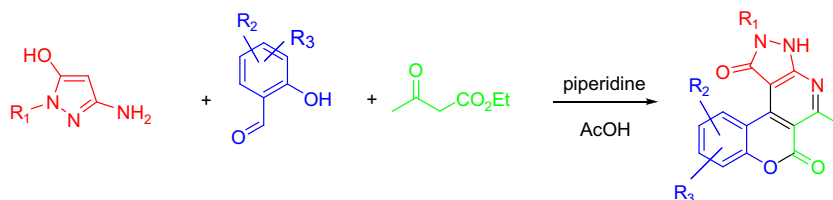
Agnieszka Adamczyk-Woźniak*, Raluca M. Fratila, Izabela D. Madura, Alicja Pawełko, Andrzej Sporzyński, Marta Tumanowicz, Aldrik H. Velders, Jacek Żyła



Multicomponent synthesis of 2,3-dihydrochromeno[4,3-*d*]pyrazolo[3,4-*b*]pyridine-1,6-diones: a novel heterocyclic scaffold with antibacterial activity

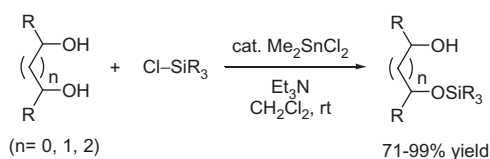
pp 6643–6645

Liliya V. Frolova, Indranil Malik, Pavel Y. Uginskii, Snezna Rogelj, Alexander Kornienko, Igor V. Magedov*

**Catalytic monosilylation of 1,2-diols**

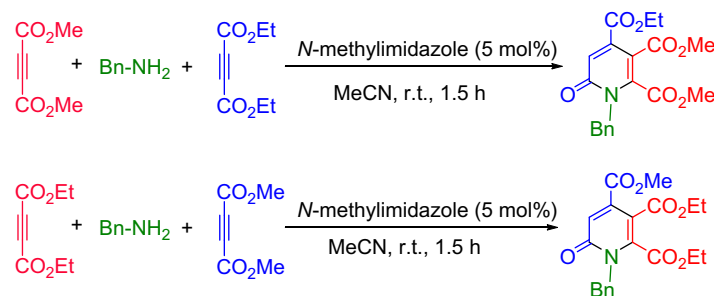
pp 6646–6648

Tsubasa Takeichi, Masami Kuriyama, Osamu Onomura*

**An efficient organocatalytic method for tandem synthesis of functionalized 2-pyridones**

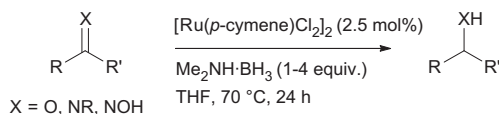
pp 6649–6651

Issa Yavari*, Mohammad J. Bayat

**Ruthenium-catalysed transfer hydrogenation reactions with dimethylamine borane**

pp 6652–6654

Tracy D. Nixon, Michael K. Whittlesey*, Jonathan M. J. Williams*



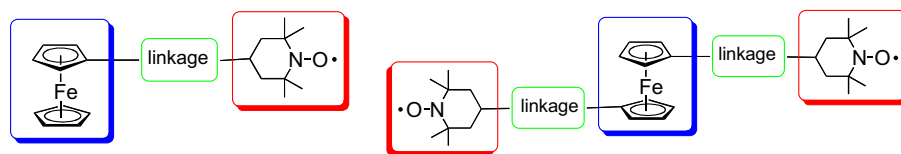
The reduction of a range of functional groups has been achieved by ruthenium-catalysed transfer hydrogenation using dimethylamine borane as the reducing agent.



Structures and charge–discharge properties of spin-carrying ferrocene derivatives

pp 6655–6658

Kazuya Fujiwara, Hiroki Akutsu, Jun-ichi Yamada, Masaharu Satoh, Shin'ichi Nakatsuji*



Ferrocene derivatives carrying TEMPO radical exhibited unique battery properties based on redox-active ferrocene and TEMPO units together with inherent magnetic properties.



*Corresponding author

Supplementary data available via ScienceDirect

COVER

Ruthenium-catalysed transfer hydrogenation reactions with dimethylamine borane

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