

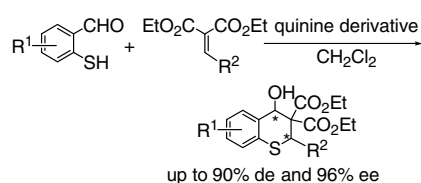
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COMMUNICATIONS

Organocatalytic highly enantioselective tandem Michael–Knoevenagel reaction for the synthesis of substituted thiochromanes

pp 1899–1902

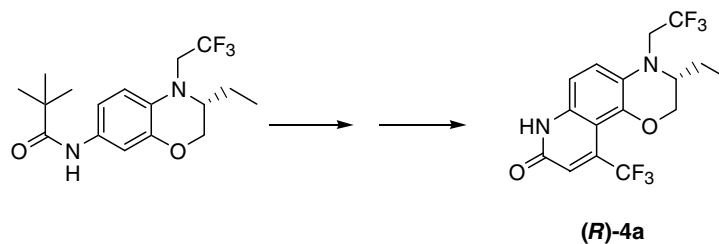
Rajasekhar Dodda, Tanmay Mandal, Cong-Gui Zhao \*



Efficient synthesis of an androgen receptor modulator

pp 1903–1905

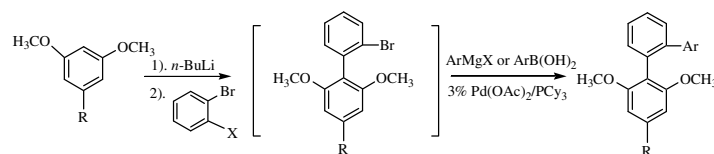
Neelakandha S. Mani \*, Jyun-Hung Chen, James P. Edwards, Min Wu, Penghui Chen, Robert I. Higuchi



Synthesis of hindered biphenyls by sequential non-transition metal-catalyzed reaction/palladium-catalyzed cross-couplings

pp 1906–1909

Ping He, Cheng-Guo Dong, Qiao-Sheng Hu \*



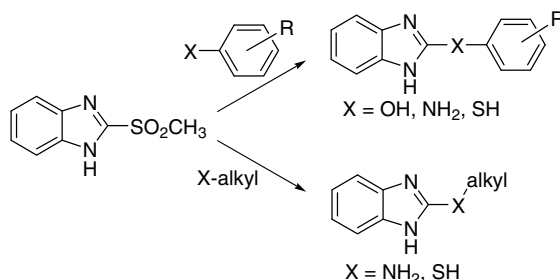
Non-transition metal-catalyzed reactions of 1,2-dihalobenzene with aryllithiums followed by palladium-catalyzed cross-coupling reactions of Grignard reagents and arylboronic acids to form tri-ortho substituted biphenyls are described.



**An efficient method to access 2-substituted benzimidazoles under solvent-free conditions**

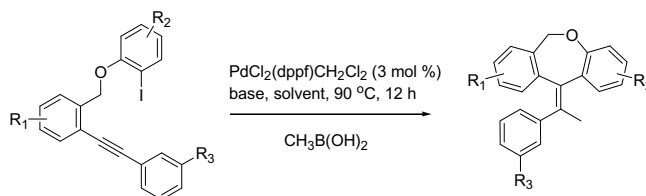
pp 1910–1914

Ping Lan \*, F. Anthony Romero \*, Threshia S. Malcolm, Benjamin D. Stevens, Dariusz Wodka, Gergely M. Makara

**Stereoselective synthesis of dibenzoxapine containing tetrasubstituted exocyclic alkenes via cascade methylboronic acid coupling reactions**

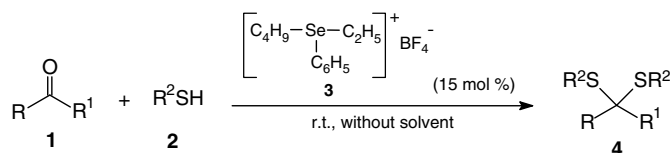
pp 1915–1918

Hannah Yu \*, Rachel N. Richey, Javier Mendiola, Marta Adeva, Carmen Somoza, Scott A. May, Matthew W. Carson, Michael J. Coghlan

**Selenium ionic liquid as an efficient catalyst for the synthesis of thioacetals under solvent-free conditions**

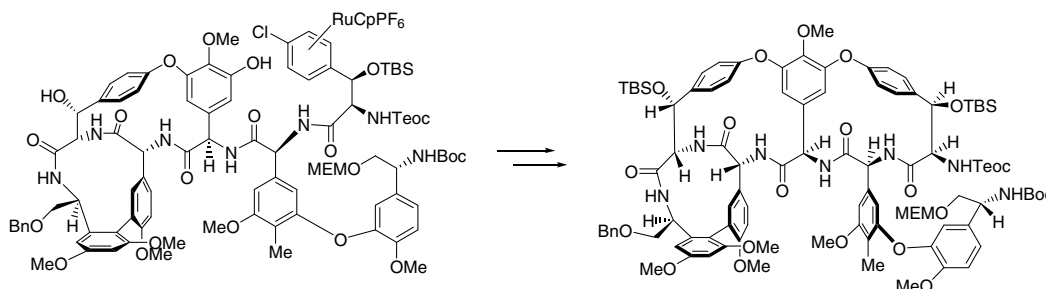
pp 1919–1921

Eder J. Lenardão \*, Elton L. Borges, Samuel R. Mendes, Gelson Perin, Raquel G. Jacob

**Studies toward the total synthesis of ristocetin A aglycone using arene–ruthenium complexes as  $\text{S}_{\text{N}}\text{Ar}$  substrates: construction of an advanced tricyclic intermediate**

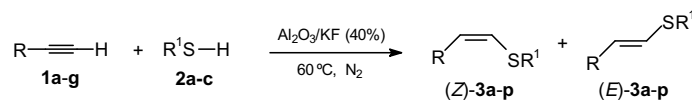
pp 1922–1926


Anthony J. Pearson \*, Diana V. Ciurea, Avdhoot Velankar



**Synthesis of vinyl sulfides via hydrothiolation of alkynes using  $\text{Al}_2\text{O}_3/\text{KF}$  under solvent-free conditions** pp 1927–1930

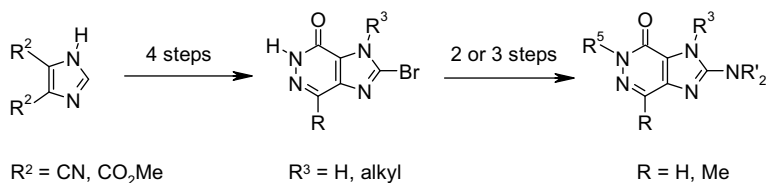
Márcio S. Silva, Renata G. Lara, Júnior M. Marczewski, Raquel G. Jacob, Eder J. Lenardão, Gelson Perin \*



R =  $\text{CH}_2\text{OH}$ ,  $\text{C}(\text{CH}_3)_2\text{H}_5\text{OH}$ ,  $\text{CH}_2\text{CH}_2\text{OH}$ ,  $\text{C}(\text{CH}_3)_2\text{OH}$ ,  $\text{C}_6\text{H}_5$ ,  $\text{C}_8\text{H}_{11}$ ,   
 R<sup>1</sup> =  $\text{C}_6\text{H}_5$ , *p*- $\text{ClC}_6\text{H}_4$ ,  $\text{C}_{12}\text{H}_{25}$

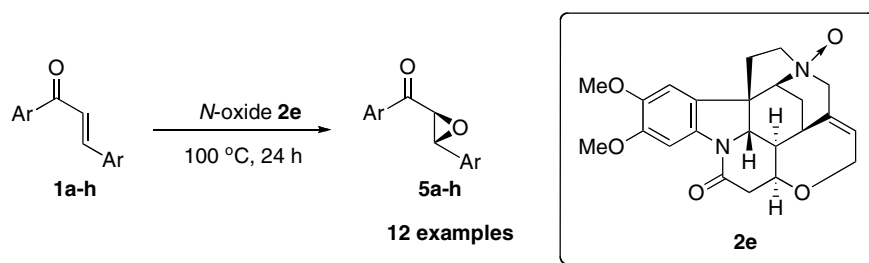
**Synthesis of 2-bromo-7-methyl-3,5-dihydro-imidazo[4,5-*d*]pyridazin-4-one and 3-alkyl-2-bromo-3,5-dihydro-imidazo[4,5-*d*]pyridazin-4-one and their selective elaboration** pp 1931–1934

Matthias Eckhardt \*, Norbert Huel, Elke Langkopf, Frank Himmelsbach



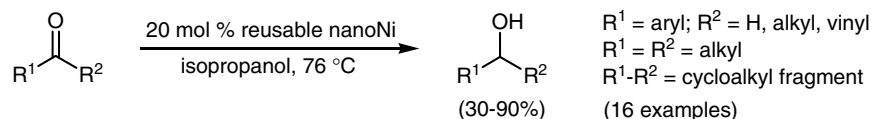
**Chiral tertiary amine *N*-oxides in asymmetric epoxidation of  $\alpha,\beta$ -unsaturated ketones** pp 1935–1938

Kyungsoo Oh \*, Jinhyang Ryu



**Hydrogen-transfer reduction of carbonyl compounds catalysed by nickel nanoparticles** pp 1939–1942

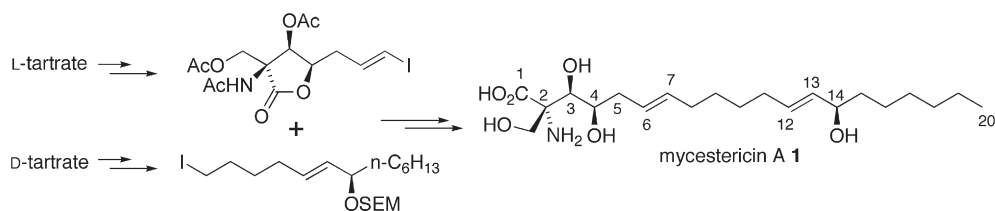
Francisco Alonso \*, Paola Riente, Miguel Yus \*



**Total synthesis of mycestericin A**

pp 1943–1947

Hideyuki Sato, Kazuyuki Sato, Masatoshi Iida, Hiroyoshi Yamanaka, Takeshi Oishi, Noritaka Chida \*

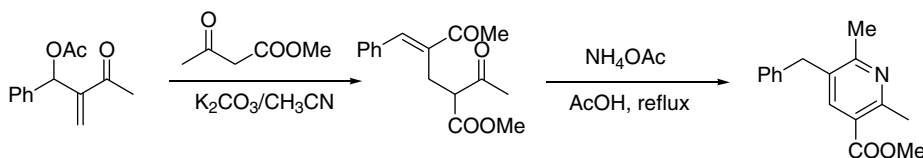


The first total synthesis of mycestericin A (1) starting from tartrates is described.

**Regioselective synthesis of 1,2,4,5-tetrasubstituted pyridines from Baylis–Hillman adducts via consecutive [3+2+1] annulation protocol**

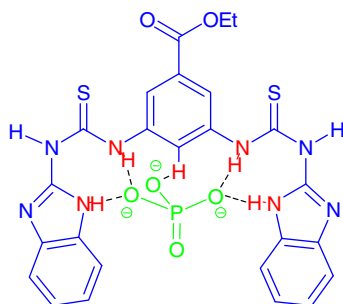
pp 1948–1951

Sung Hwan Kim, Ko Hoon Kim, Hoo Sook Kim, Jae Nyoun Kim \*

**Benzimidazole and thiourea conjugated fluorescent hybrid receptor for selective recognition of PO<sub>4</sub><sup>3-</sup>**

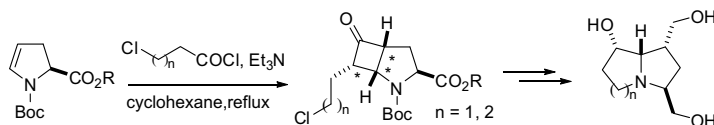
pp 1952–1956

Gang Woo Lee, Narinder Singh, Doo Ok Jang \*

**Synthesis of alexine-like compounds from chiral five-membered endocyclic enecarbamates**

pp 1957–1960

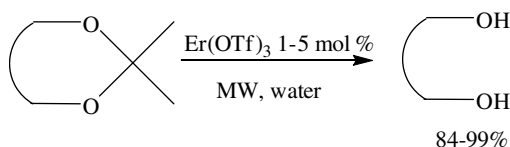
Marcelo Siqueira Valle, Pascal Retailleau, Carlos Roque Duarte Correia \*



**MW-assisted Er(OTf)<sub>3</sub>-catalyzed mild cleavage of isopropylidene acetals in Tricky substrates**

pp 1961–1964

Antonio Procopio \*, Marco Gaspari, Monica Nardi, Manuela Oliverio, Roberto Romeo

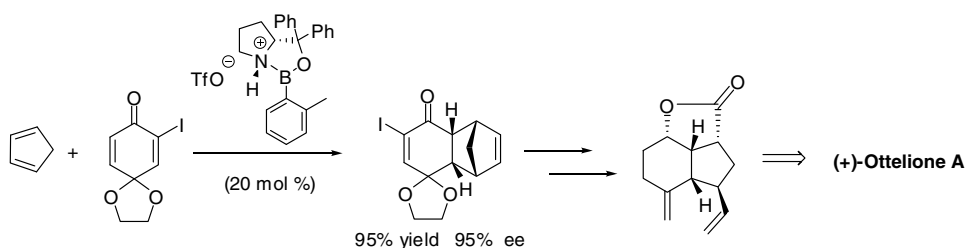


Er(OTf)<sub>3</sub> is proposed as a very gentle Lewis acid catalyst in a MW-assisted chemoselective method for the cleavage of isopropylidene acetals in awkward substrates by using pure water as a solvent.

**Enantioselective formal synthesis of antitumor agent (+)-ottellione A**

pp 1965–1967

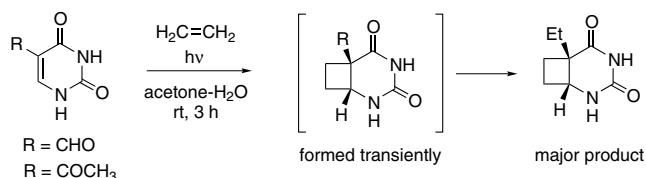
Mi Young Lee, Kyung Hwa Kim, Shuai Jiang, Yoo Hyun Jung, Jae Yi Sim, Geum-Sook Hwang \*, Do Hyun Ryu \*



**Photochemical behaviour of 5-formyl and 5-acetyl uracils in the presence of ethene**

pp 1968–1970

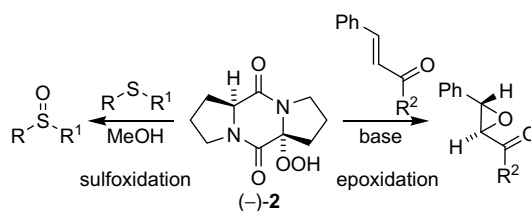
Elisabeth Pereira, Sophie Faure, David J. Aitken \*



**Diketopiperazine-derived hydroperoxide for chemoselective oxidations of sulfides and enantioselective Weitz–Scheffer epoxidations**

pp 1971–1974

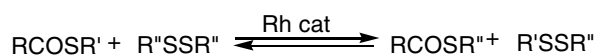
Marcel Kienle, Wassiliki Argyrakis, Angelika Baro, Sabine Laschat \*



**Rhodium-catalyzed alkylthio exchange reaction of thioester and disulfide**

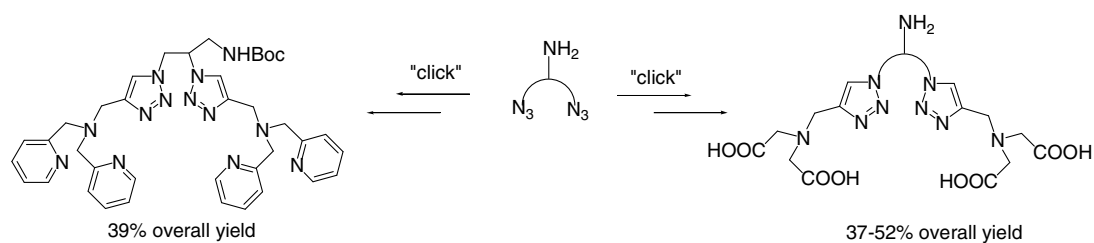
pp 1975–1978

Mieko Arisawa, Tomohiro Kubota, Masahiko Yamaguchi \*

**Efficient and tunable synthesis of new polydentate bifunctional chelating agents using click chemistry**

pp 1979–1983

Clément Camp, Sandra Dorbes, Claude Picard, Eric Benoist \*

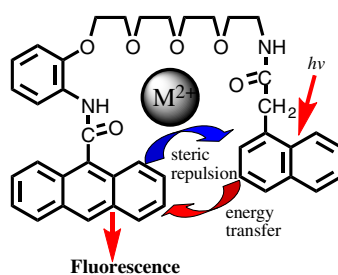


A facile and highly modular approach to the preparation of structurally diverse bifunctional ligand systems in good overall yield has been reported.

**Novel chemosensor for alkaline earth metal ion based on 9-anthryl aromatic amide using a naphthalene as a TICT control site and intramolecular energy transfer donor**

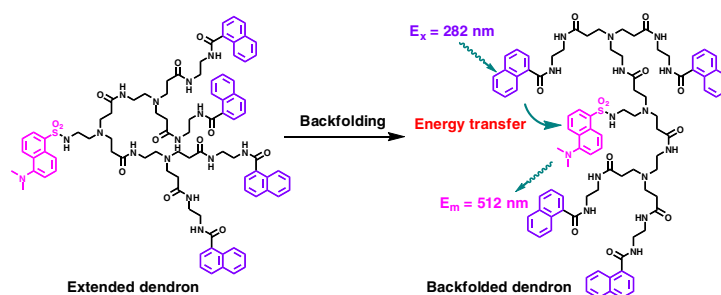
pp 1984–1987

Jeongsik Kim, Tatsuya Morozumi, Namiko Kurumatani, Hiroshi Nakamura \*

**Synthesis and energy-transfer properties of poly(amidoamine) dendrons modified with naphthyl and dansyl groups**

pp 1988–1992

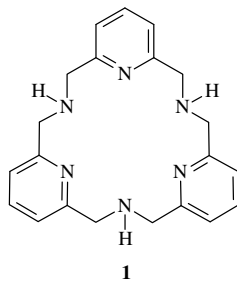
Wu-Song Li, Ming-Jun Teng, Xin-Ru Jia \*, Bing-Bing Wang, Jui-Ming Yeh, Yen Wei \*



**Improved synthesis of a C<sub>3</sub>-symmetrical pyridinophane**

pp 1993–1996

Claire Nolan, Thorfinnur Gunnlaugsson \*

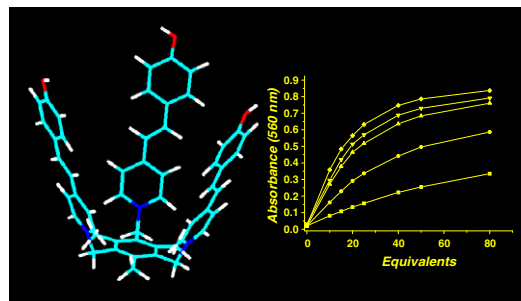


**Discrimination between ω-amino acids with chromogenic acyclic tripodal receptors functionalized with stilbazolium dyes**

pp 1997–2001

Beatriz García-Acosta, Ramón Martínez-Mañez \*, José V. Ros-Lis, Félix Sancenón \*, Juan Soto

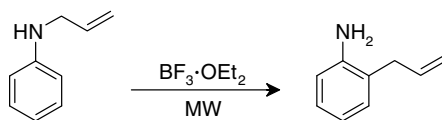
Colorimetric discrimination between certain ω-aminoacids was achieved by the use of a tripodal receptor functionalized with stilbazolium dyes.



**Microwave-assisted aza-Cope rearrangement of N-allylanilines**

pp 2002–2004

Israel González, Iria Bellas, Ana Souto, Ramón Rodríguez, Jacobo Cruces \*

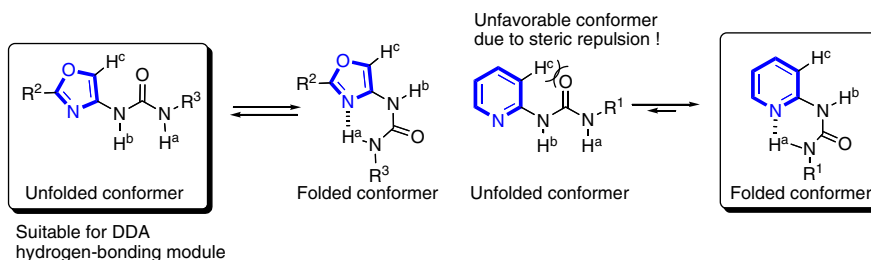


The aza-Cope rearrangement of *N*-allylanilines is described. The use of BF<sub>3</sub>·OEt<sub>2</sub> and microwave irradiation allows to run the transformation under mild conditions and in reaction times of minutes.

**Five-membered heterocyclic ureas suitable for the donor–donor–acceptor hydrogen-bonding modules**

pp 2005–2009

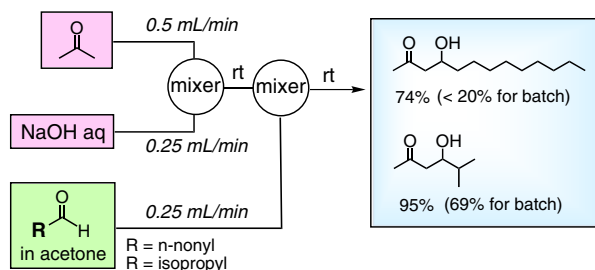
Yosuke Hisamatsu \*, Yuki Fukumi, Naohiro Shirai, Shin-ichi Ikeda, Kazunori Odashima \*



**Efficient aldol condensation in aqueous biphasic system under microfluidic conditions**

pp 2010–2012

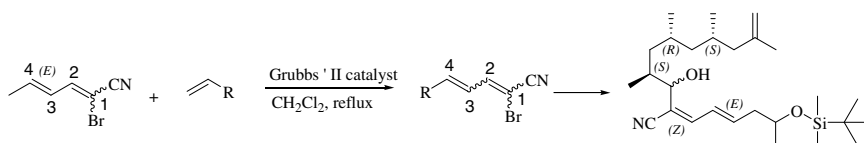
Katsunori Tanaka, Shinya Motomatsu, Koichi Koyama, Koichi Fukase \*



Efficient aldol condensation of acetone was achieved in a biphasic system by using the microfluidic apparatus.

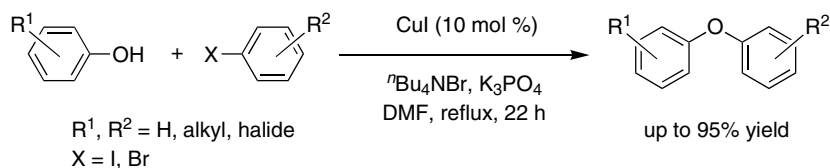
**A cross metathesis strategy for the synthesis of highly functionalized conjugated cyanodienes: synthesis of the C3–C17 framework of (–)-borrelidin** pp 2013–2017

C. Vamsee Krishna, Vasudev R. Bhonde, A. Devendar, Santanu Maitra, K. Mukkanti, Javed Iqbal \*

**Copper-catalyzed Ullmann coupling under ligand- and additive-free conditions. Part 1: O-Arylation of phenols with aryl halides** pp 2018–2022

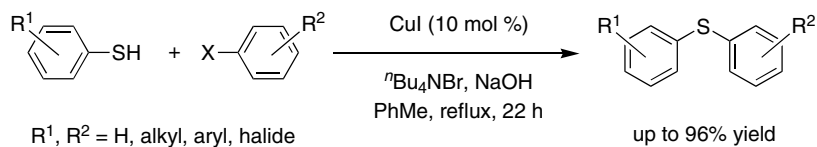
pp 2018–2022

Joyce Wei Wei Chang, Sheena Chee, Shiya Mak, Pongchart Buranaprasertsuk, Warinthorn Chavasiri, Philip Wai Hong Chan \*

**Copper-catalyzed Ullmann coupling under ligand- and additive-free conditions. Part 2: S-Arylation of thiols with aryl iodides** pp 2023–2025

pp 2023–2025

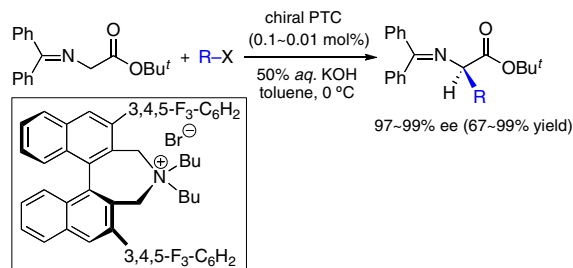
Pongchart Buranaprasertsuk, Joyce Wei Wei Chang, Warinthorn Chavasiri, Philip Wai Hong Chan \*





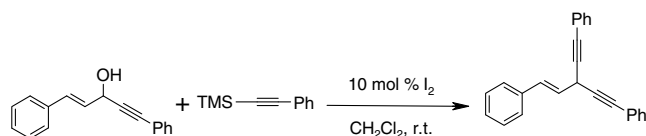
**Combinatorial approach for the design of new, simplified chiral phase-transfer catalysts with high catalytic performance for practical asymmetric synthesis of  $\alpha$ -alkyl- $\alpha$ -amino acids** pp 2026–2030

Masanori Kitamura, Yuichiro Arimura, Seiji Shirakawa, Keiji Maruoka \*



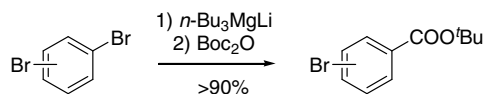
**The first example of alkynylation of propargylic alcohols with alkynylsilanes catalyzed by molecular iodine** pp 2031–2033

J. S. Yadav \*, B. V. Subba Reddy, N. Thrimurtulu, N. Mallikarjuna Reddy, A. R. Prasad



**Highly selective and efficient conversion of aryl bromides to *t*-butyl benzoates with di-*t*-butyl dicarbonate** pp 2034–2037

Hongmei Li, Jaume Balsells \*



*t*-Butyl benzoates can be accessed from aromatic compounds bearing multiple halogen substituents via selective metal–halogen exchange with lithium tri-*n*-butylmagnesium ate complex followed by trapping with di-*t*-butyl dicarbonate.

\*Corresponding author

Supplementary data available via ScienceDirect

**COVER**

The first total synthesis of mycestericin A, a potent immunosuppressant, is described. The hydrophilic moiety, a vinyl iodide possessing an  $\alpha$ -substituted  $\alpha$ -amino acid structure, was constructed from L-tartrate using Overman rearrangement as the key transformation. The hydrophobic part having an acid-labile allylic alcohol function was prepared from D-tartrate. The cross-coupling of these fragments under Negishi conditions, followed by deprotection, completed the total synthesis. *Tetrahedron Letters* 2008, 49, 1943–1947.

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