

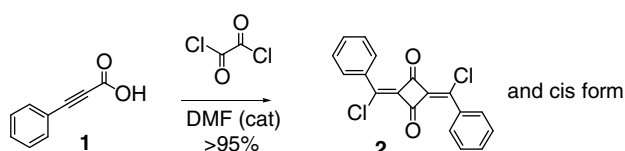
Contents

COMMUNICATIONS

The dimer of phenylpropiolyl chloride

pp 2049–2051

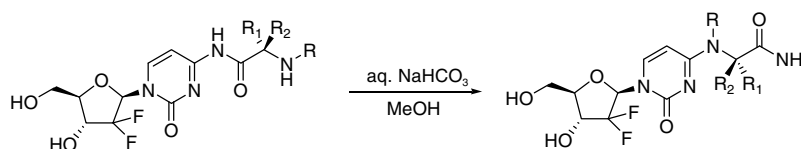
Harry H. Wasserman *, Elga R. Wasserman, Steven J. Coats, Raymond E. Davis, Vincent M. Lynch, Kenneth B. Wiberg



Facile rearrangement of *N*⁴-(α -aminoacyl)cytidines to *N*-(4-cytidinyl)amino acid amides

pp 2052–2055

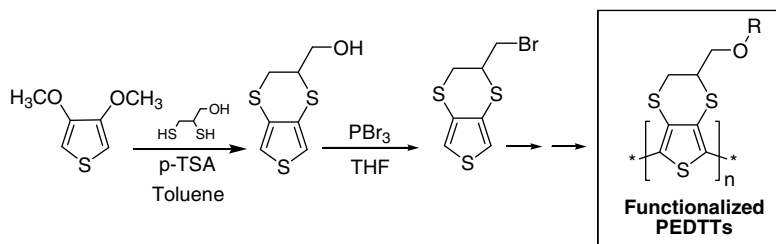
Deyi Zhang *, David M. Bender, Frantz Victor, Jeffrey A. Peterson, Robert D. Boyer, Gregory A. Stephenson, Adam Azman, James R. McCarthy *



Functionalized 3,4-ethylenedithiathiofenenes (EDTTs) as building blocks for poly (3,4-ethylenedithiathiofenene) (PEDTT) derivatives

pp 2056–2059

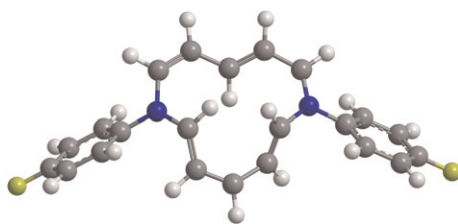
Raúl Blanco, Carlos Seoane, José L. Segura *



The relative stability of pyridinium and 1,7-diaza[12]annulenium quaternary salts

pp 2060–2062

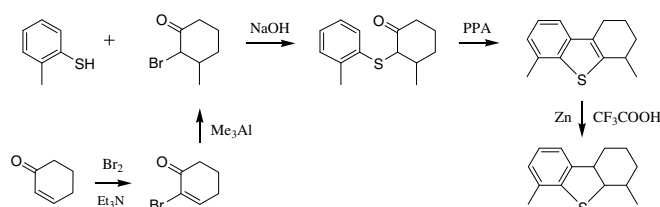
Ibon Alkorta *, José Elguero



Synthesis of 4,6-dimethyl-tetrahydro- and hexahydro-dibenzothiophene

pp 2063–2065

Yinyong Sun, Huamin Wang, Roel Prins *

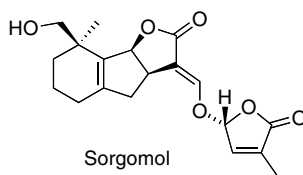


2-Bromo-3-methylcyclohexanone was synthesized by conjugate addition of trimethylaluminum to 2-bromo-2-cyclohexen-1-one with copper bromide as catalyst, coupled with 2-methylthiophenol and annulated with the aid of polyphosphoric acid to 4,6-dimethyl-tetrahydrodibenzothiophene. The latter was hydrogenated to 4,6-dimethyl-hexahydrodibenzothiophene.

Sorgomol, germination stimulant for root parasitic plants, produced by *Sorghum bicolor*

pp 2066–2068

Xiaonan Xie, Kaori Yoneyama, Dai Kusumoto, Yoichi Yamada, Yasutomo Takeuchi, Yukihiro Sugimoto, Koichi Yoneyama *

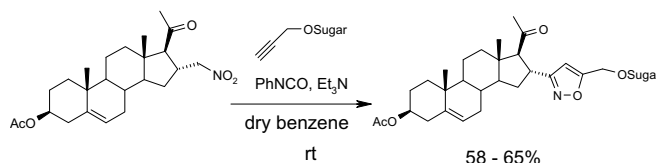


Synthesis of novel isoxazole-linked steroidal glycoconjugates—an application of a novel steroidal nitrile oxide

pp 2069–2073

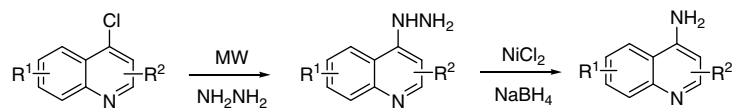
Karuna S. Wankhede, Vipraja V. Vaidya, Prajakta S. Sarang, Manikrao M. Salunkhe *, Girish K. Trivedi *

Isoxazole-linked steroidal glycoconjugates are prepared by 1,3-dipolar cycloaddition reactions of an in situ generated and hitherto unknown steroidal nitrile oxide with appropriate propargyl ethers of sugars. The methodology provides a novel vector in the form of an easily accessible nitrile oxide having the ability to couple with a host of biomolecules, thus offering a new pathway to construct biologically significant steroidal conjugates.



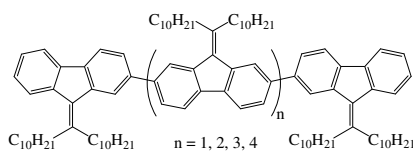
Microwave-assisted synthesis of 4-quinolylylhydrazines followed by nickel boride reduction: a convenient approach to 4-aminoquinolines and derivatives pp 2074–2077

Sandra Gemma, Gagan Kukreja, Pierangela Tripaldi, Maria Altarelli, Matteo Bernetti, Silvia Franceschini, Luisa Savini, Giuseppe Campiani *, Caterina Fattorusso, Stefania Butini



Synthesis and optical behaviour of monodispersed oligo(fluorenylidene)s pp 2078–2082

Roberto Grisorio, Piero Mastrorilli, Giuseppe Ciccarella, Gian Paolo Suranna *, Cosimo Francesco Nobile

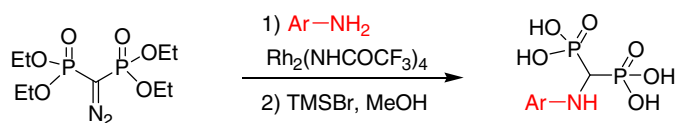


The article describes the convergent synthesis and optical characterization of novel monodispersed fluorenylidene-based molecular materials.



A facile synthesis of aminomethylene bisphosphonates through rhodium carbenoid mediated N–H insertion reaction. Application to the preparation of powerful uranyl ligands pp 2083–2087

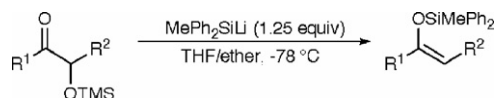
Delphine Lecerclé, Sandra Gabillet, Jean-Marie Gomis, Frédéric Taran *



A straightforward procedure ensuring the anchoring of bisphosphonate moiety onto aromatic amines is described.

Preparation of silyl enol ethers from acyloin derivatives using silyllithium reagents pp 2088–2090

Bradley D. Robertson, Aaron M. Hartel *



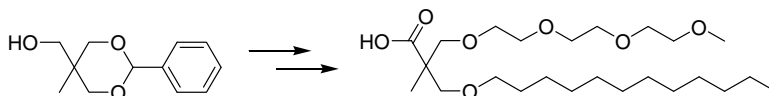
Dimethylphenyl- and methylphenylsilyl enol ethers are prepared from the reaction of acyloin derivatives with silyllithium reagents. The reaction proceeds via Brook rearrangement driven by expulsion of the adjacent leaving group.



Synthesis of a pH-independent bifurcated amphiphile

pp 2091–2094

Kaitlin A. Willham, Boyd A. Laurent, Scott M. Grayson *

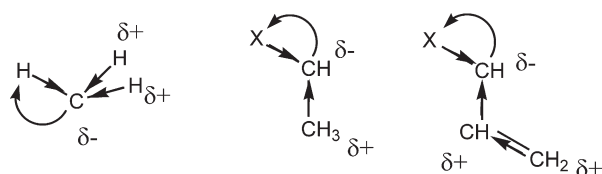


An efficient synthetic method for preparing bifurcated amphiphiles has been developed such that the functionality for attachment is located at the interface between the lipophilic and hydrophilic side chains.

**A general description of phosphorus containing functional groups**

pp 2095–2098

Tom Leysens *, Daniel Peeters

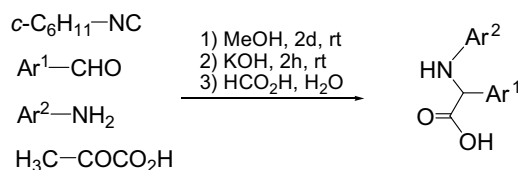


Computational study on the interaction of phosphorus containing functional groups with anionic and neutral carbon backbones. This leads to a general description of these functional groups, showing them to be highly ionic groups having a σ donor/ π acceptor character.

Ugi four-component condensation with two cleavable components: the easiest synthesis of 2,*N*-diarylglycines

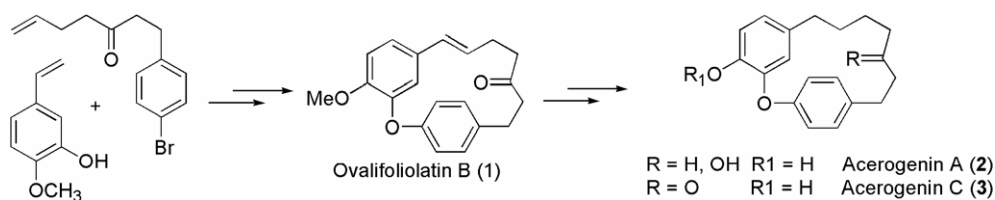
pp 2099–2102

Cristina Faggi, Ana G. Neo, Stefano Marcaccini *, Gloria Menchi, Julia Revuelta

**Total synthesis of ovalifoliolatin B, acerogenins A and C**

pp 2103–2105

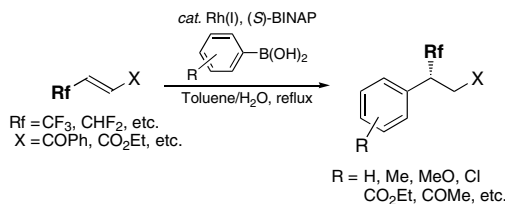
G. D. Kishore Kumar, Amarnath Natarajan *



A first high enantiocontrol of an asymmetric tertiary carbon center attached with a fluoroalkyl group via Rh(I)-catalyzed conjugate addition reaction

pp 2106–2110

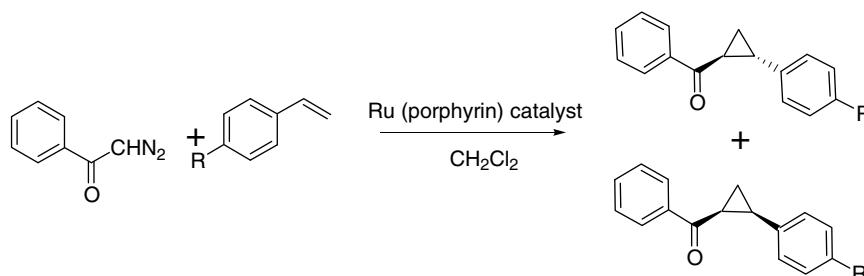
Tsutomu Konno *, Tomoo Tanaka, Tomotsugu Miyabe, Atsunori Morigaki, Takashi Ishihara



Intermolecular asymmetric cyclopropanation with diazoketones catalyzed by chiral ruthenium porphyrins

pp 2111–2113

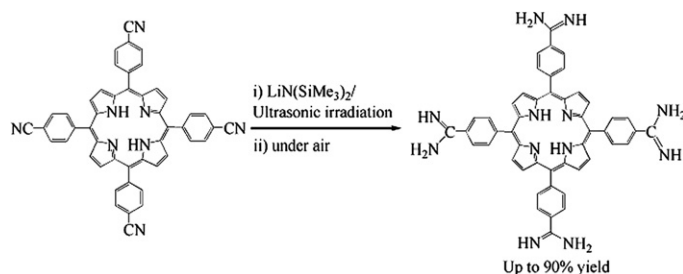
Irène Nicolas, Paul Le Maux, Gérard Simonneaux *



An ultrasonic wave-assisted synthesis of meso-amidinophenyl substituted porphyrins

pp 2114–2118

Xun-Jin Zhu, Wai-Kwok Wong *, Feng-Lei Jiang, Chun-Ting Poon, Wai-Yeung Wong *

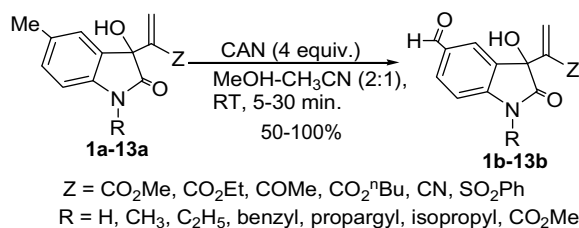


Using an ultrasonic irradiation, *meso*-amidinophenyl-substituted porphyrins were prepared by reacting lithium amide with *meso*-cyanophenyl porphyrins in very high yields and short reaction times relative to the conventional thermal method.

A mild and efficient CAN mediated oxidation of Morita–Baylis–Hillman adducts of 5-methyl-*N*-alkylisatin to 5-formyl-*N*-alkylisatin

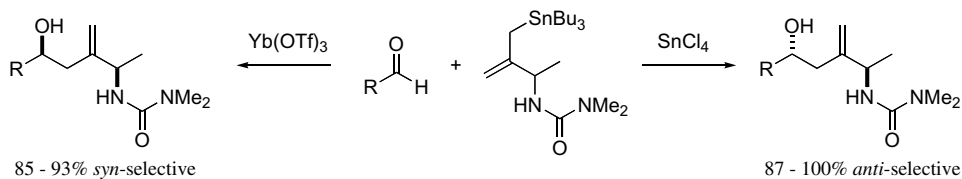
pp 2119–2123

Ponnusamy Shanmugam *, Vadivel Vaithyanathan, Kodirajan Selvakumar

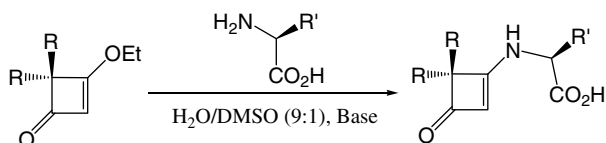


Binary 1,4-asymmetric induction from a single allyltin reagent with a chiral nitrogen functional group toward aldehydes pp 2124–2127

Yutaka Nishigaichi *, Ken-ichi Tamura, Narifumi Ueda, Hidetoshi Iwamoto, Akio Takuwa


Utilizing the high dielectric constant of water: efficient synthesis of amino acid-derivatized cyclobutenones pp 2128–2131

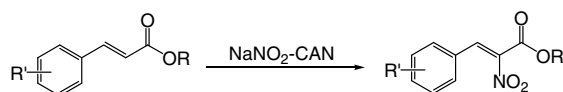
Jun Li, Yongbin Han, Teresa B. Freedman, Shifa Zhu, Deborah J. Kerwood, Yan-Yeung Luk *



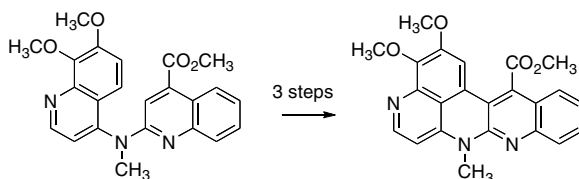
This work reports the use of water as a solvent to facilitate an efficient synthesis of amino acid-derivatized cyclobutenone. Kinetics studies in different solvents reveal that high dielectric constants of the solvents are the primary attribute for the high yielding and fast rate for this class of reactions. This class of substitution reactions in water also proceeds efficiently with a wide range of amino acids.


An unusual contra-Michael addition of NaNO₂-ceric ammonium nitrate to acrylic esters pp 2132–2135

Alexei V. Buevich *, Yusheng Wu *, Tze-Ming Chan, Andrew Stamford


Synthesis of the pentacyclic core of lihoudine pp 2136–2138

Ken S. Feldman *, Adiel Coca

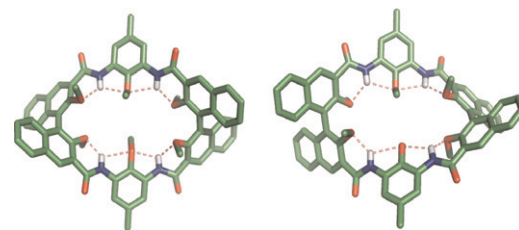


Pre-organization-mediated macrocyclization: efficient synthesis and structural investigations of BINOL-*m*-phenylenediamine-derived macrocycles

pp 2139–2142

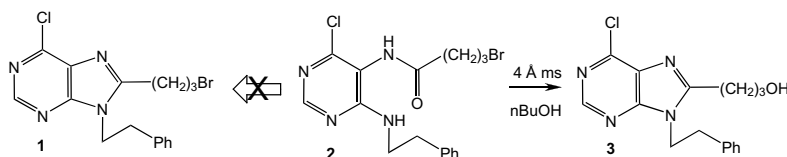
Deekonda Srinivas, Rajesh Gonnade, P. R. Rajamohanam, Gangadhar J. Sanjayan *

This Letter describes a serendipitous discovery of an efficient synthetic route to BINOL-*m*-phenylenediamine-derived macrocycles. These macrocycles are quickly accessible in a one-pot procedure by the direct condensation of (*R*) and (*S*) BINOL bis-acids with suitably substituted *m*-phenylenediamine analogs. Structural investigations by single crystal X-ray crystallography and solution-state NMR studies provided convincing evidence of their intramolecular hydrogen bonding arrangement and rigid structural architecture. The striking feature of these macrocycles is their ready accessibility in optically pure form coupled with their ease of synthesis.

**An unexpected cyclization discovered during the synthesis of 8-substituted purines from a 4,5-diaminopyrimidine**

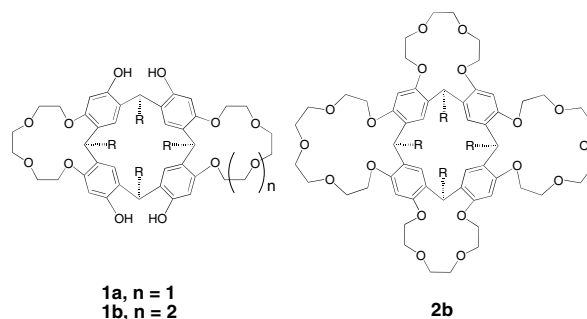
pp 2143–2145

Qun Dang *, Robert M. Rydzewski, Daniel K. Cashion, Mark D. Erion

**‘Cloverleaf’ crown ether resorcin[4]arenes**

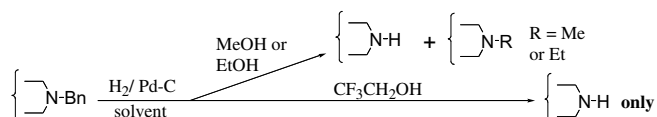
pp 2146–2149

Yanwei Cai, Peter P. Castro, Linda M. Gutierrez-Tunstad *

**Debenzylation using catalytic hydrogenolysis in trifluoroethanol, and the total synthesis of (–)-raumacline**

pp 2150–2153

Patrick D. Bailey *, Mark A. Beard, Hoa P. T. Dang, Theresa R. Phillips, Richard A. Price, James H. Whittaker

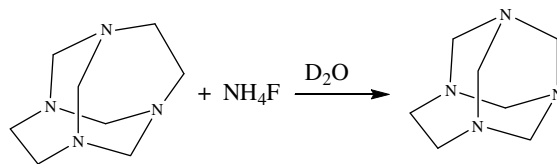


Debenzylation using catalytic hydrogenolysis proceeds cleanly in trifluoroethanol as solvent, whereas other alcohols lead to alkylation as a side reaction.

An NMR study of sequential intermediates and collateral products in the conversion of 1,3,6,8-tetraazatricyclo[4.4.1.1^{3,8}]dodecane (TATD) to 1,3,6,8-tetraazatricyclo[4.3.1.1^{3,8}]undecane (TATU)

pp 2154–2158

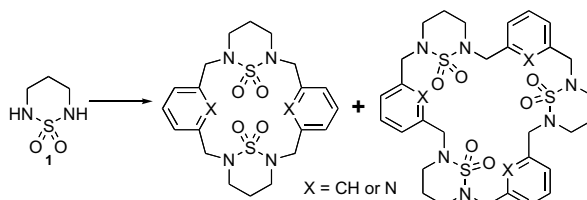
Augusto Rivera *, Martín E. Núñez, Eliseo Avella, Jaime Ríos-Motta



Macrocyclic sulfamides: synthesis, hybridization, and metal binding properties

pp 2159–2162

Patrick D. Bailey *, Anuparma Sethi, Robin G. Pritchard

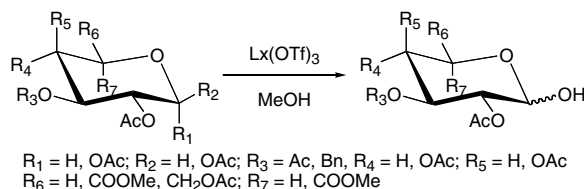


Using **1** as a 6-membered building block, four macrocyclic sulfamides were prepared; X-ray crystal structures revealed interesting features of hybridization, and metal binding studies showed selectivity for Ba^{2+} , Ag^+ and Rb^+ .

Regioselective green anomeric deacetylation catalyzed by lanthanide triflates

pp 2163–2165

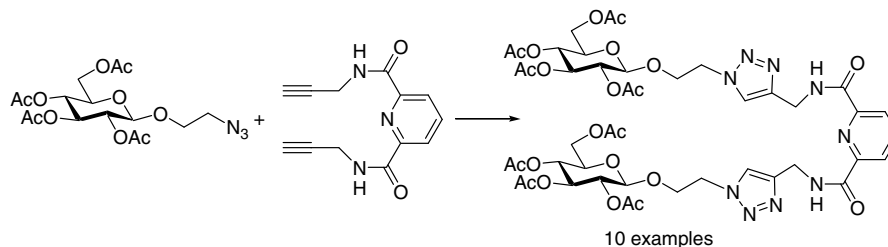
Anh Tuan Tran, Sophie Deydier, David Bonnaffé, Christine Le Narvor *



Synthesis of novel multidentate carbohydrate-triazole ligands

pp 2166–2169

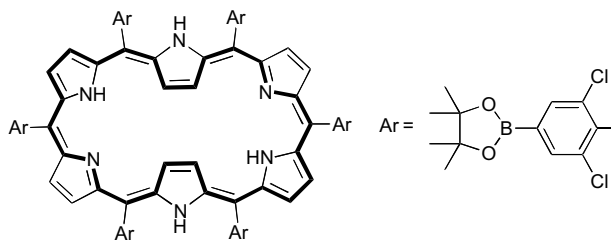
Thomas Ziegler *, Catrin Hermann



A series of multidentate complex ligands were prepared by Cu(I)-catalyzed 1,3-dipolar cycloaddition (click reaction) of glycosyl azides and azidoethyl glycosides with bis-2-propynyl amides of phthalic, isophthalic, and 2,6-pyridine dicarboxylic acid.

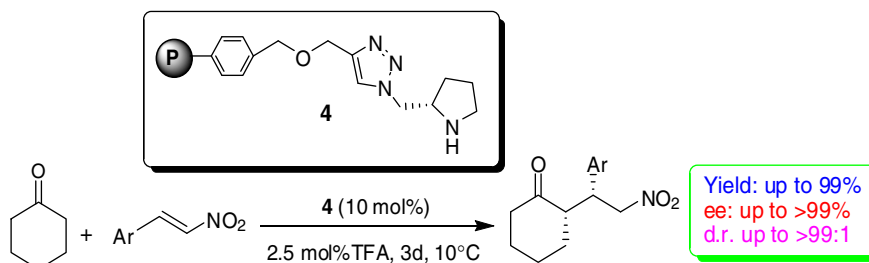
Highly selective Ir-catalyzed direct sixfold borylation of peripheral aromatic substituents on hexakisaryl-substituted [28]hexaphyrin(1.1.1.1.1.1) pp 2170–2172

Goro Mori, Hiroshi Shinokubo *, Atsuhiko Osuka *



Polystyrene-immobilized pyrrolidine as a highly stereoselective and recyclable organocatalyst for asymmetric Michael addition of cyclohexanone to nitroolefins pp 2173–2176

Tao Miao, Lei Wang *



OTHER CONTENT

Corrigendum

p 2177

*Corresponding author

Supplementary data available via ScienceDirect

COVER

The cover image illustrates the unique conversion of phenylpropionic acid to a 1,3-cyclobutanedione derivative, which involves the isomerization of its acid chloride to a ketene derivative that subsequently undergoes dimerization to the products.

Tetrahedron Letters **2008**, 49, 2049–2051.

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