

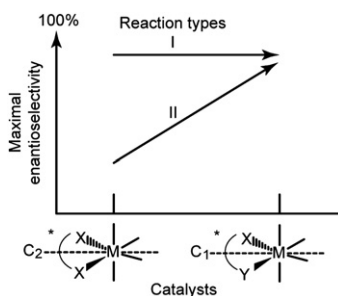
Contents

REPORT

C_2 and C_1 Symmetry of chiral auxiliaries in catalytic reactions on metal complexes

Valeri A. Pavlov

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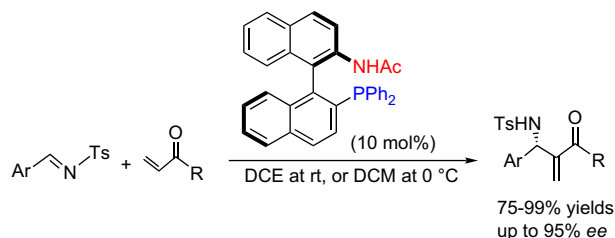


ARTICLES

Asymmetric catalytic aza-Morita–Baylis–Hillman reaction using chiral bifunctional phosphine amides as catalysts

Ming-Juan Qi, Teng Ai, Min Shi*, Guigen Li*

pp 1181–1186

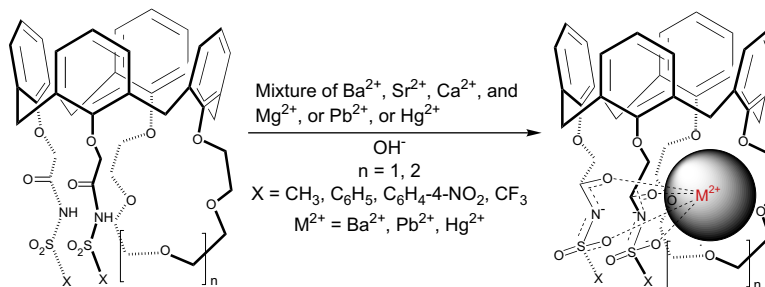


Di-ionizable calix[4]arene-1,2-crown-5 and -crown-6 ethers in cone conformations: synthesis and divalent metal ion extraction

Chuqiao Tu, Kazimierz Surowiec, Jerzy Gega, David W. Purkiss, Richard A. Bartsch*

pp 1187–1196

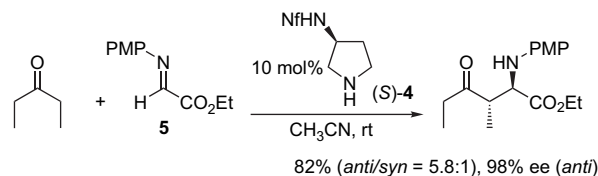
Di-ionizable calix[4]arene-1,2-crown-5 and -crown-6 ethers in the cone conformation exhibit selectivity for Ba^{2+} in competitive solvent extraction of alkaline earth metal cations and high extraction ability for Pb^{2+} and for Hg^{2+} in single species extraction.



anti-Selective direct asymmetric Mannich reactions catalyzed by chiral pyrrolidine-based amino sulfonamides

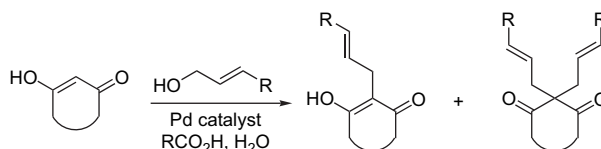
pp 1197–1203

Taichi Kano, Yoshio Hato, Akihiro Yamamoto, Keiji Maruoka*

**Direct palladium/carboxylic acid-catalyzed C-allylation of cyclic 1,3-diones with allylic alcohols in water**

pp 1204–1212

Kim-Hong Gan, Ciou-Jyu Jhong, Shyh-Chyun Yang*

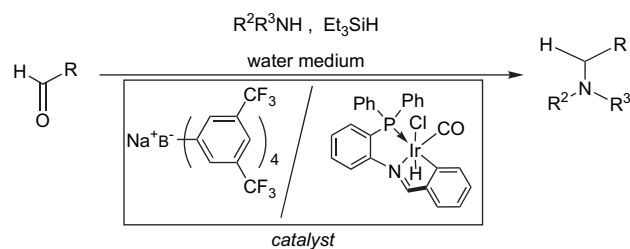


The palladium-catalyzed allylation of cyclic 1,3-diones with allylic alcohols using water as solvent could give the corresponding *C*-allylated products in good yields.

One-pot reductive amination of aldehydes catalyzed by a hydrido-iridium(III) complex in aqueous medium

pp 1213–1217

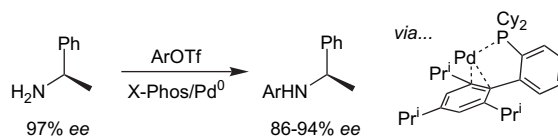
Rung-Yi Lai, Chun-I Lee, Shih-Tzung Liu*

**Steric effects in palladium-catalysed amination of aryl triflates and nonaflates with the primary amines**

pp 1218–1224

PhCH(R)NH₂ (R=H, Me)

Rebecca E. Meadows, Simon Woodward*

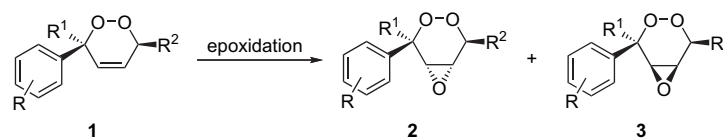


Only minor racemisation despite being a formal 'monodentate' ligand.

Design of 1,2-dioxines with anti-*Candida* activity: aromatic substituted 1,2-dioxines

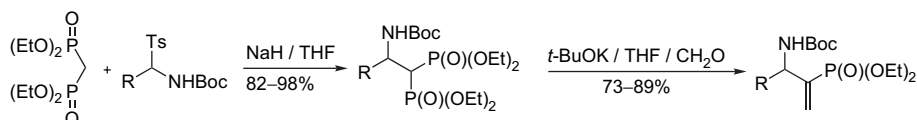
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Ian G. Macreadie*, Thomas D. Avery, Tony V. Robinson, Peter Macreadie, Miles Barraclough, Dennis K. Taylor*, Edward R. T. Tiekink

**A new access to substituted tetraethyl *N*-Boc 2-aminoethylidene-1,1-bisphosphonates and phosphonyl-substituted aza-Morita–Baylis–Hillman-type adducts**

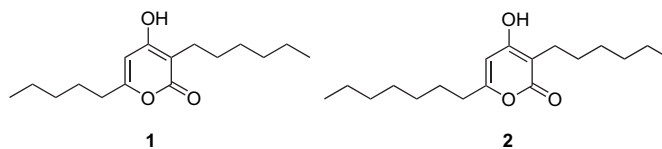
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Anna Gajda, Tadeusz Gajda*

**Natural product inhibitors of fatty acid biosynthesis: synthesis of the marine microbial metabolites pseudopyronines A and B and evaluation of their anti-infective activities**

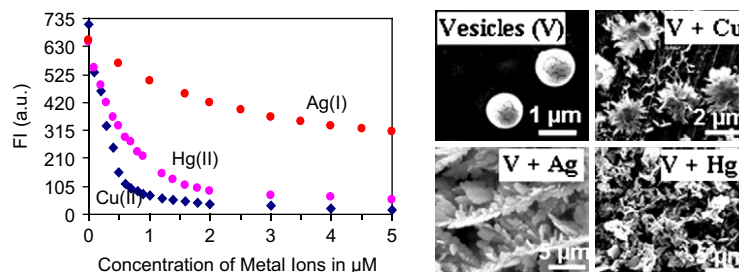
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Anna C. Giddens, Lone Nielsen, Helena I. Boshoff, Deniz Tasdemir, Remo Perozzo, Marcel Kaiser, Feng Wang, James C. Sacchetti, Brent R. Copp*

**Morphological consequences of metal ion–peptide vesicle interaction**

pp 1250–1256

Surajit Ghosh, Prabhpreet Singh, Sandeep Verma*

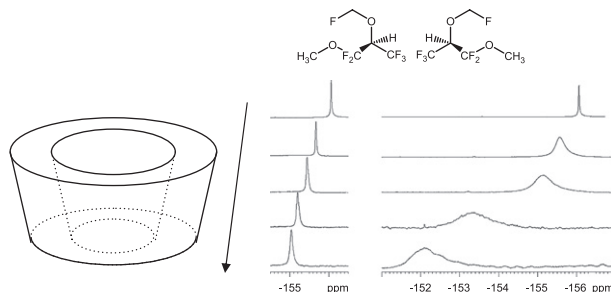


This report follows interaction of peptide-based soft structures with metal ions by fluorescence and microscopic analyses.

Structural and thermodynamic investigations of an unusual enantiomeric separation: Lipodex E and compound B

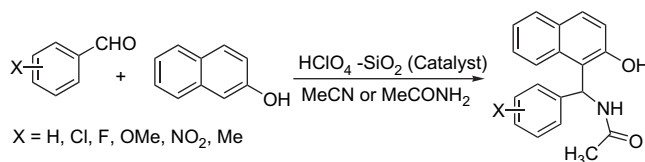
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Silica supported perchloric acid ($\text{HClO}_4\text{-SiO}_2$): an efficient and recyclable heterogeneous catalyst for the one-pot synthesis of amidoalkyl naphthols

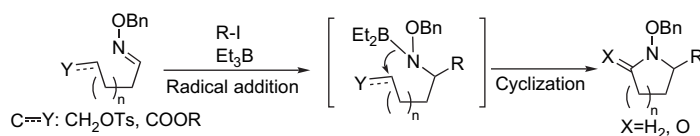
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Hamid Reza Shaterian*, Hossein Yarahmadi, Majid Ghashang


Novel synthesis of substituted pyrrolidines and piperidines via radical addition–ionic cyclization reaction of oxime ethers

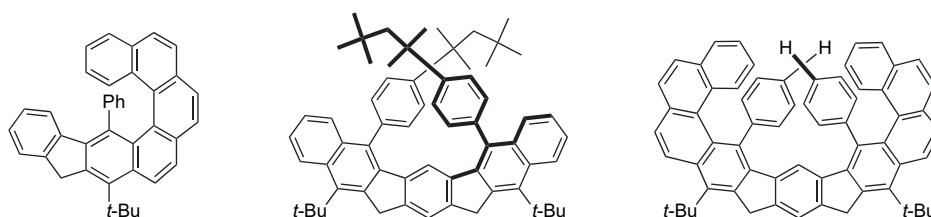
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Okiko Miyata, Shinya Takahashi, Akira Tamura, Masafumi Ueda, Takeaki Naito*


Synthesis and structures of helical polycyclic aromatic hydrocarbons bearing aryl substituents at the most sterically hindered positions

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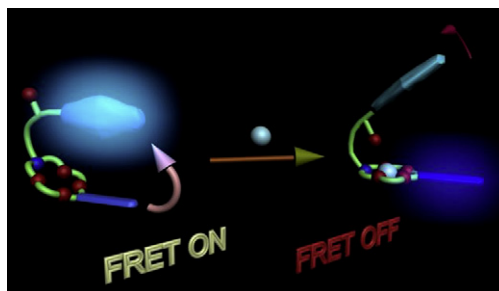
Yanzhong Zhang, Jeffrey L. Petersen*, Kung K. Wang*



FRET-derived ratiometric fluorescence sensor for Cu²⁺

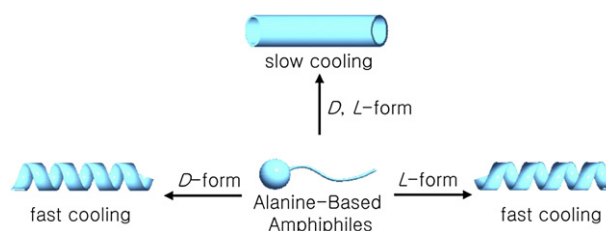
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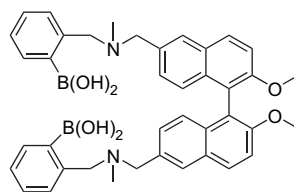
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Xiaofen Liang, Tony D. James, Jianzhang Zhao*

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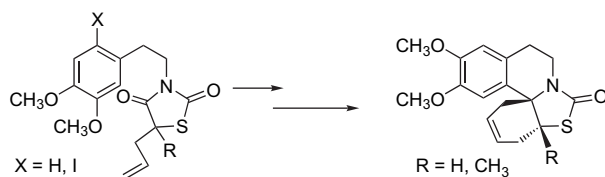
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Stereoselective synthesis of thiaerythrinanes based on an α -amidoalkylation/RCM approach

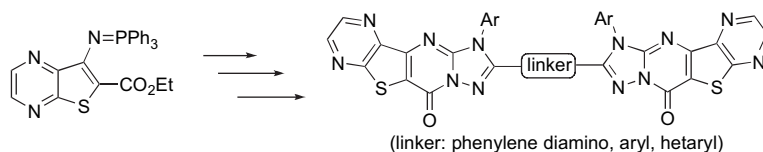
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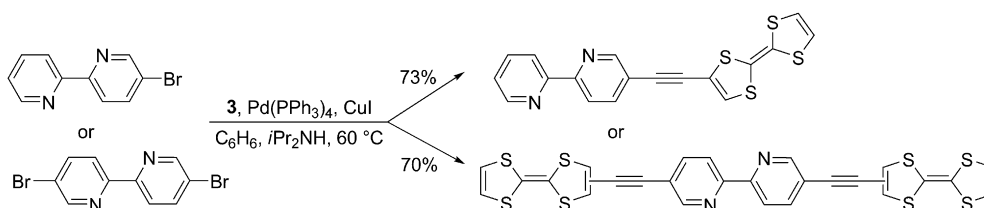
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**Synthesis of new ethynylbipyridine-linked mono- and bis-tetrathiafulvalenes: electrochemical, spectroscopic, and Ru(II)-binding studies**

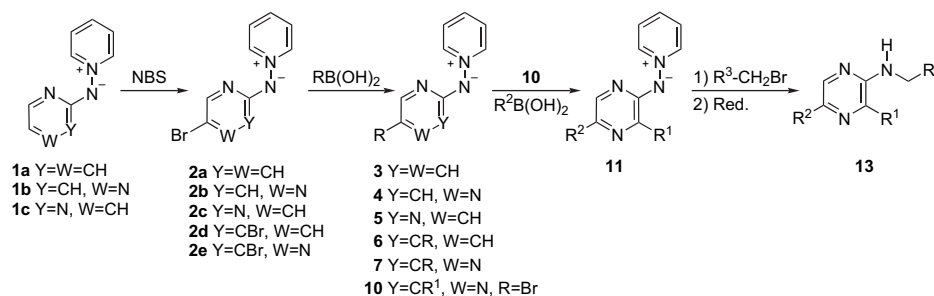
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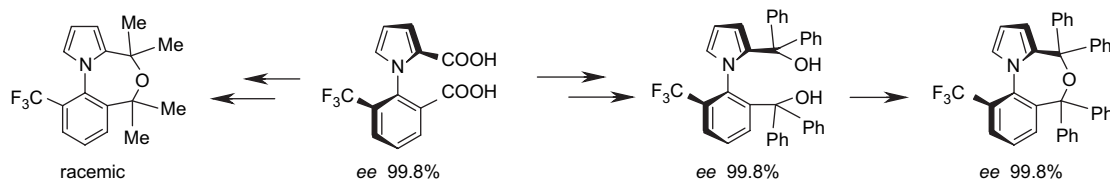
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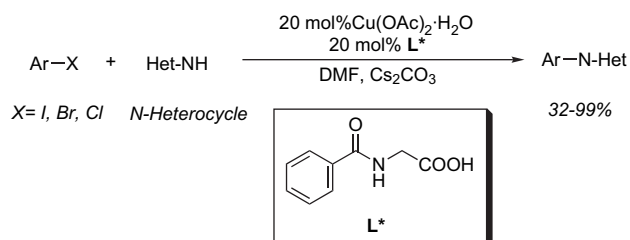
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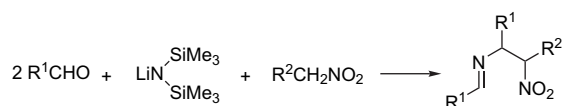
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 Yang Ye, Qiuping Ding, Jie Wu*



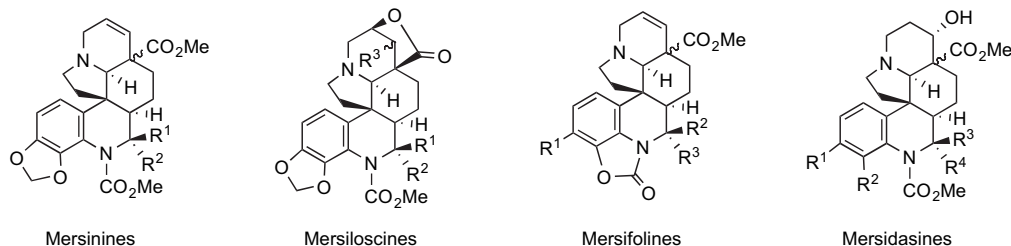
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Double nitro-Mannich reaction utilizing in situ generated N-trimethylsilylaldimines: novel four-component one-pot synthesis of nitroimines pp 1388–1396
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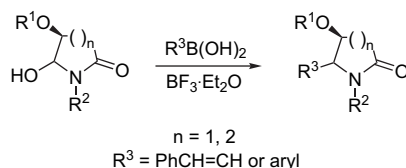


The alkaloids of the mersinine group: a new subclass of the monoterpene indole alkaloids from *Kopsia* pp 1397–1408
 G. Subramaniam, Yeun-Mun Choo, Osamu Hiraku, Kanki Komiyama, Toh-Seok Kam*



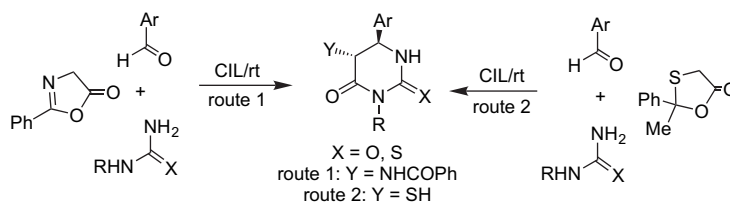
A total of 16 alkaloids characterized by a novel pentacyclic skeleton were isolated from *Kopsia singapurensis*.

Diastereoselective borono-Mannich reactions on cyclic *N*-acyliminium ions pp 1409–1419
 Ian R. Morgan, Arife Yazici, Stephen G. Pyne*



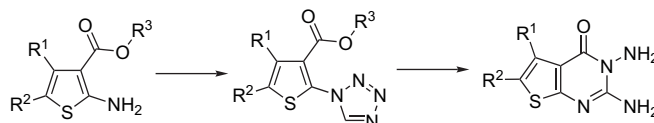
Chiral ionic liquid-catalyzed Biginelli reaction: stereoselective synthesis of polyfunctionalized perhydropyrimidines pp 1420–1429

Lal Dhar S. Yadav*, Ankita Rai, Vijai K. Rai, Chhama Awasthi



New convenient synthesis of 2,3-diaminothieno[2,3-*d*]pyrimidin-4(3*H*)-one derivatives from substituted alkyl 2-(1*H*-tetrazol-1-yl)thiophene-3-carboxylates pp 1430–1434

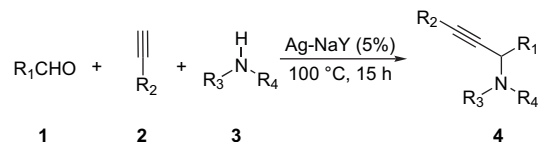
Nazariy T. Pokhodylo, Vasyl S. Matychuk, Mykola D. Obushak*



AgY zeolite as catalyst for the effective three-component synthesis of propargylamines

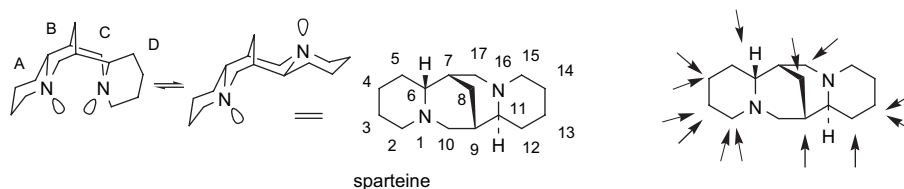
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Raimondo Maggi*, Alessandra Bello, Chiara Oro, Giovanni Sartori, Laura Soldi

**Effect of hydroxy groups on conformational equilibrium in bis-quinolizidine systems**

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Tadeusz Brukwicki, Waleria Wysocka*

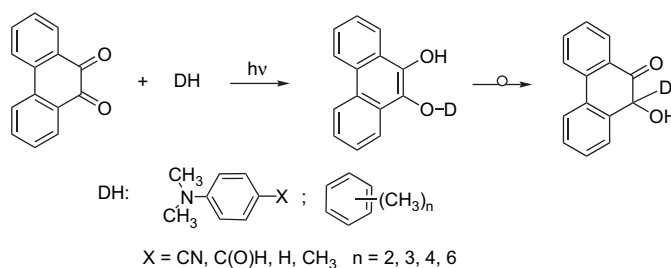


This article describes effects on the conformational equilibria of various sparteine derivatives brought about by the attachment of hydroxy groups to the bis-quinolizidine skeleton at the indicated positions.

Products of photoreduction of 9,10-phenanthrenequinone in the presence of *N,N*-dimethylanilines and polymethylbenzenes

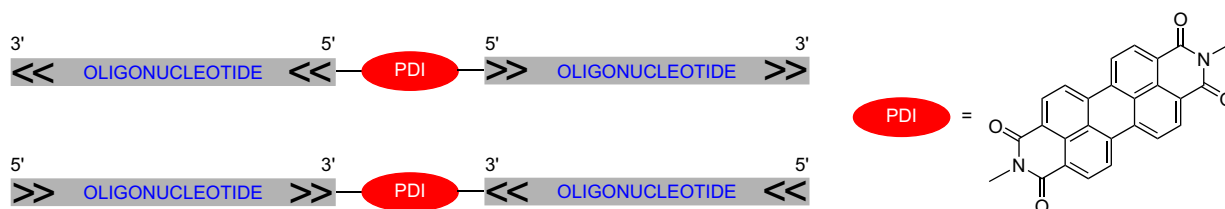
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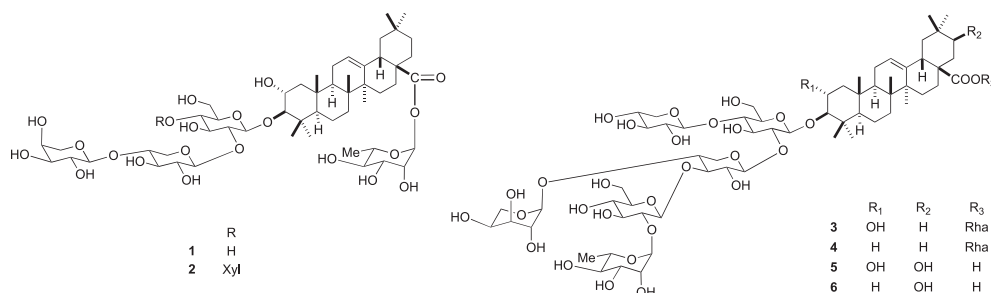
Alexey V. Ustinov, Veronika V. Dubnyakova, Vladimir A. Korshun*



Stryphnosides A–F, six new triterpene glycosides from the pericarps of *Stryphnodendron fissuratum*

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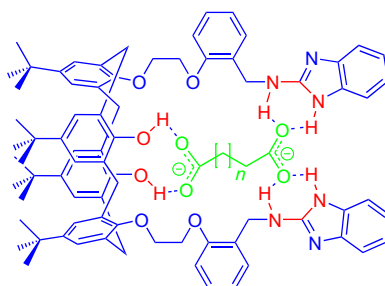
Akihito Yokosuka*, Sachiko Kawakami, Mitsue Haraguchi, Yoshihiro Mimaki*



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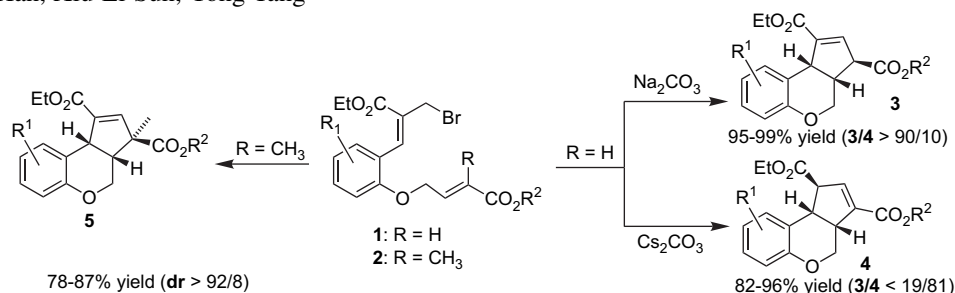
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PPh₃-catalyzed ylide cyclization for the controllable synthesis of benzobicyclo[4.3.0] compounds: base effects and scope

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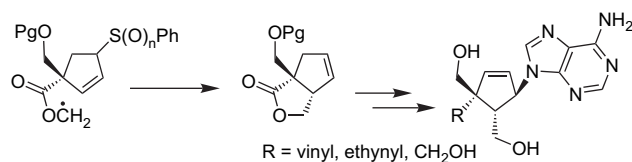
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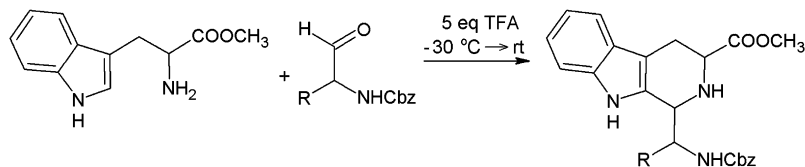
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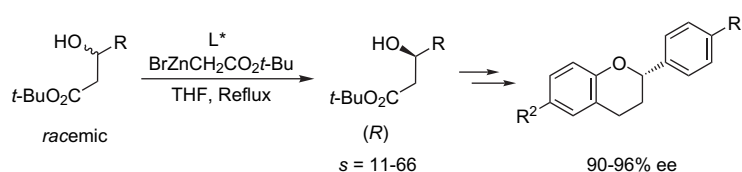
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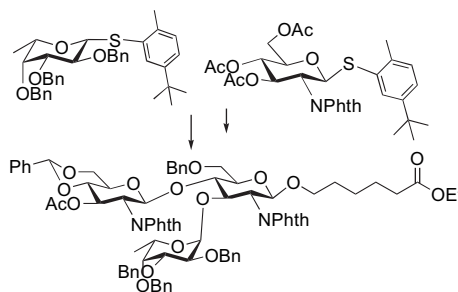
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Eui Ta Choi, Min Hee Lee, Yongtae Kim, Yong Sun Park*

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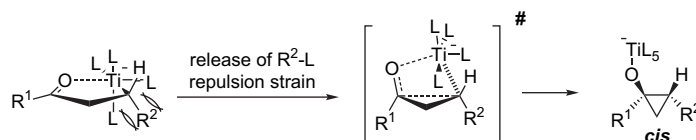
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**Studies on the origin of cis-diastereoselectivity of the titanium-mediated cyclopropanation of carboxylic esters with Grignard reagents. Stereochemistry of the intramolecular cyclization of β -metalloketones**

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Dzmitry G. Kananovich, Oleg G. Kulinkovich*



*Corresponding author

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