

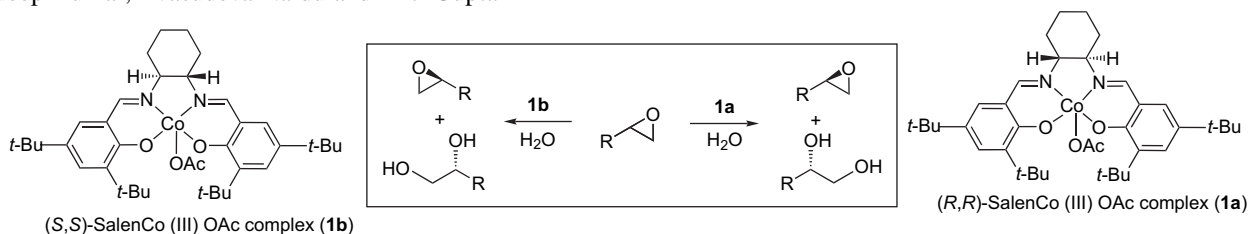
Contents

REPORT

Application of hydrolytic kinetic resolution (HKR) in the synthesis of bioactive compounds

pp 2745–2785

Pradeep Kumar,* Vasudeva Naidu and Priti Gupta



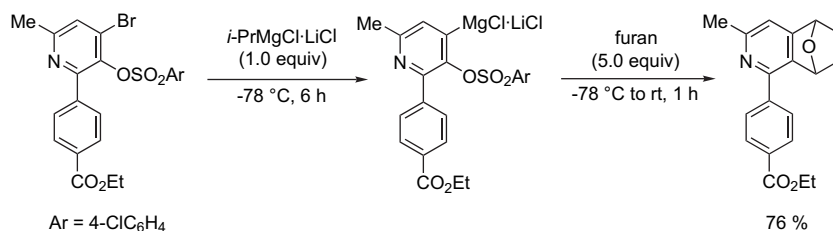
Hydrolytic kinetic resolution (HKR) developed by Jacobsen has emerged in recent times as a powerful tool to synthesize both terminal epoxides and their corresponding diols in highly enantiomerically pure form. In this review we have covered the application of HKR method for the first time in the synthesis of biologically active compounds.

ARTICLES

Preparation of functionalized 3,4-pyridynes via 2-magnesiated diaryl sulfonates

pp 2787–2797

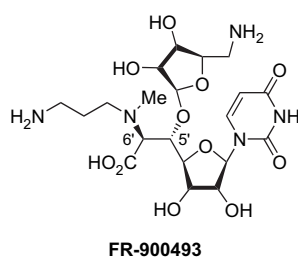
Wenwei Lin, Ling Chen and Paul Knochel*



Total synthesis of (+)-FR-900493 and establishment of its absolute stereochemistry

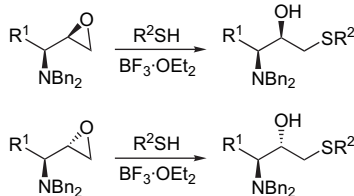
pp 2798–2804

Shinpei Hirano, Satoshi Ichikawa* and Akira Matsuda*



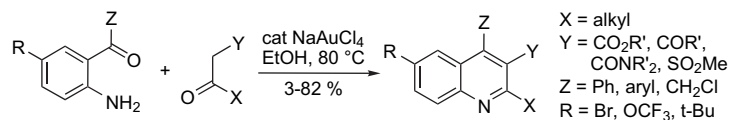
Ring opening of chiral 2-(1-aminoalkyl)epoxides by aliphatic thiols with total selectivity: synthesis of enantiopure 3-amino-1-(alkylthio)alkan-2-ols pp 2805–2810

José M. Concellón,* Virginia del Solar, José Ramón Suárez and Elena G. Blanco

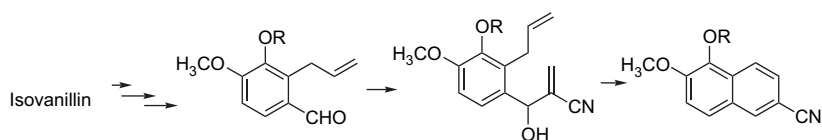

New vistas in quinoline synthesis

pp 2811–2823

Sarkis Atechian, Nadine Nock, Roger D. Norcross, Hassen Ratni, Andrew W. Thomas, Julien Verron and Raffaello Masciadri*

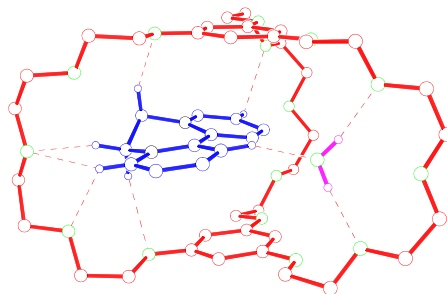

Claisen rearrangement/Baylis–Hillman reaction/ring-closing metathesis as bases for the construction of substituted cyanonaphthalenes pp 2824–2828

Po-Yuan Chen, Hsing-Ming Chen, Liang-Yeu Chen, Jing-Yu Tzeng, Jui-Chi Tsai, Ping-Cheng Chi, Sie-Rong Li and Eng-Chi Wang*


Inclusion [2]complexes based on the cryptand/diquat recognition motif

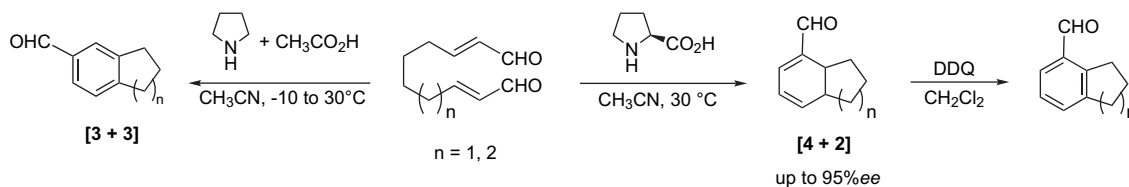
pp 2829–2839

Feihe Huang,* Carla Slebodnick, Karen A. Switek and Harry W. Gibson*



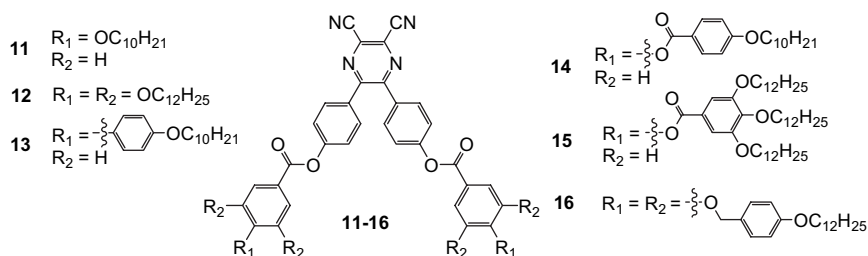
Synthesis of aromatic aldehydes by organocatalytic [4+2] and [3+3] cycloaddition of α,β -unsaturated aldehydes pp 2840–2850

Bor-Cherng Hong,* Hsing-Chang Tseng and Shang-Hung Chen



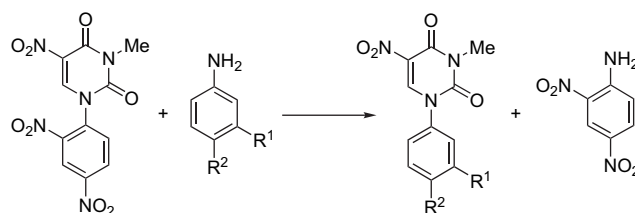
Synthesis and optical/thermal properties of low molecular mass V-shaped materials based on 2,3-dicyanopyrazine pp 2851–2858

Rodrigo Cristiano, Eduard Westphal, Ivan H. Bechtold, Adailton J. Bortoluzzi and Hugo Gallardo*



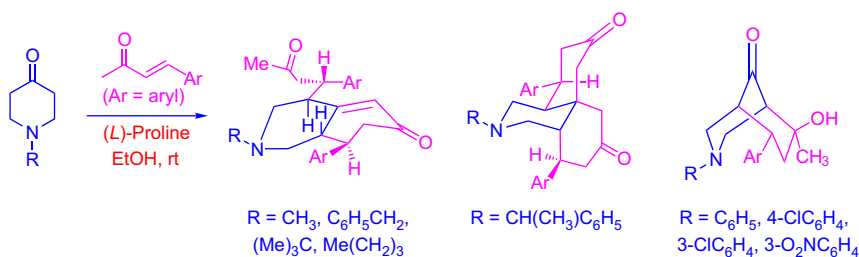
New approach for the synthesis of 1-aryl- and 1-heteroaryl-5-nitouracil derivatives pp 2859–2864

Andrzej Gondela and Krzysztof Walczak*



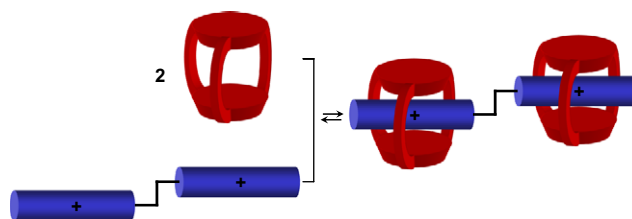
(L)-Proline-catalysed novel tandem reactions of 1-substituted piperidin-4-ones with (E)-4-arylbut-3-en-2-ones: N-substituent mediated product selectivity and synthesis of novel nitrogen heterocycles pp 2865–2874

Murugesan Srinivasan and Subbu Perumal*



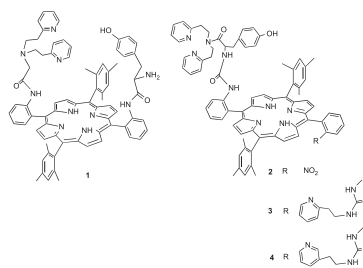
[3]Pseudorotaxanes based on the cryptand/monopyridinium salt recognition motif
 Feihe Huang,* Carla Slebodnick, Eric J. Mahan and Harry W. Gibson*

pp 2875–2881



A strategic approach for the synthesis of new porphyrin rings, attractive for heme model purpose
 Kalliopi Ladomenou, Georgios Charalambidis and Athanasios G. Coutsolelos*

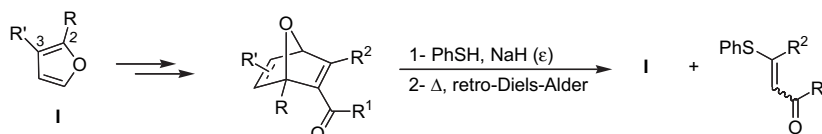
pp 2882–2887



Soluble and polymer-supported 2- and 3-benzylated furans for the preparation of α,β -ethylenic carbonyl compounds

pp 2888–2900

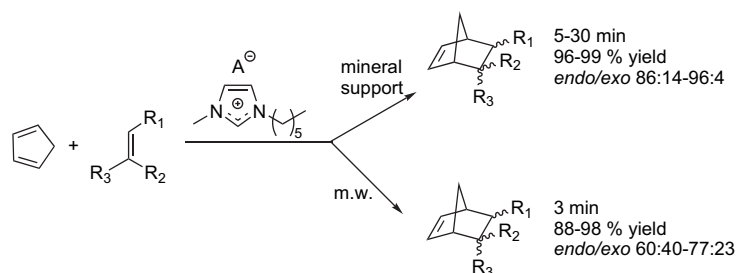
Sébastien Albert, Adrien Soret, Luis Blanco and Sandrine Deloisy*



Enhanced Diels–Alder reactions: on the role of mineral catalysts and microwave irradiation in ionic liquids as recyclable media

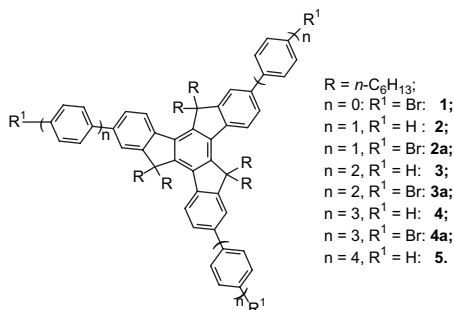
pp 2901–2906

Ignacio López,* Guadalupe Silvero, María José Arévalo, Reyes Babiano, Juan Carlos Palacios and José Luis Bravo



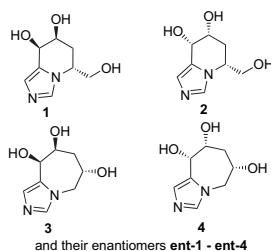
Star-shaped oligo(*p*-phenylene)-functionalized truxenes as blue-light-emitting materials: synthesis and the structure–property relationship

Wen-Bin Zhang, Wei-Hong Jin, Xing-Hua Zhou and Jian Pei*



Stereocontrolled synthesis of enantiomeric imidazolopiperidinoses and imidazoloazepanoses using Wittig/dihydroxylation reactions

Dariusz Deredas, Michał Skowron, Emmanuel Salomon, Celine Tarnus, Théophile Tschamber, Wojciech M. Wolf and Andrzej Frankowski*



*Corresponding author

Supplementary data available via ScienceDirect

COVER

The preparation of the functionalized 3,4-pyridynes as highly reactive intermediates has been achieved by the controlled elimination of readily generated 2-magnesiated diaryl sulfonates obtained by a low temperature I/Mg- or Br/Mg-exchange starting from the corresponding aryl halides, and after trapping the functionalized 3,4-pyridynes with furan, the desired functionalized cyclo-adducts are obtained in good yield. *Tetrahedron* **2007**, *63*, 2787–2797.

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ISSN 0040-4020