

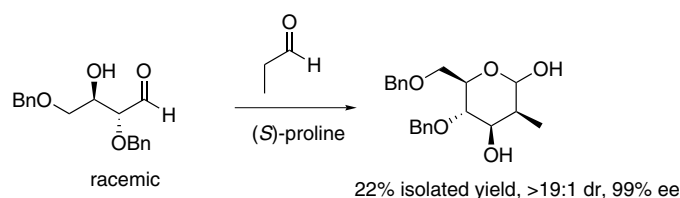
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Amino acid-catalyzed dynamic kinetic asymmetric transformations (DYKAT): one-step de novo synthesis of polyketide sugars from racemic β -hydroxy aldehydes

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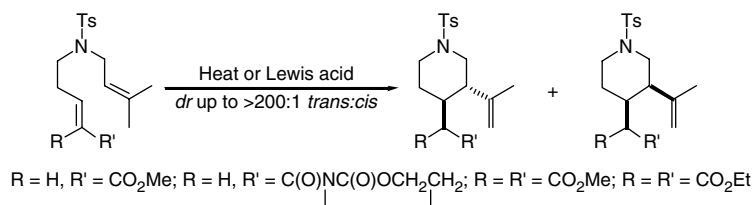
Efraim Reyes and Armando Córdova*



Synthesis of 3,4-disubstituted piperidines by ene cyclisation of 4-aza-1,7-dienes

pp 6611–6615

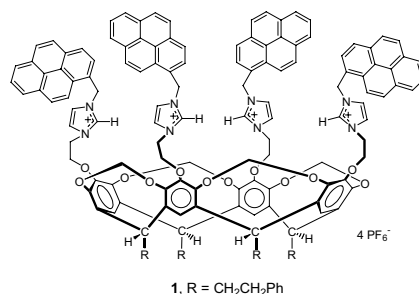
Stephen M. Walker, Jodi T. Williams, Alexander G. Russell and John S. Snaith*



A fluorescent cavitand for the recognition of GTP

pp 6617–6620

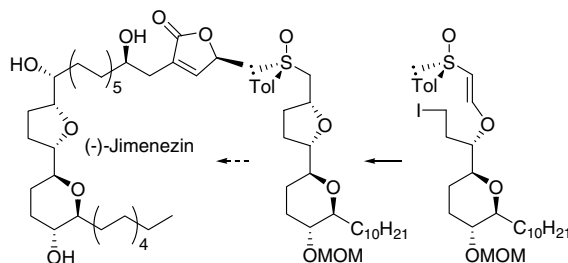
Sook Kyung Kim, Byung-Sik Moon, Ju Hyun Park, Young Il Seo, Hwa Soo Koh, Yeo Joon Yoon, Kap Duk Lee* and Juyoung Yoon*



Stereoselective synthesis of (–)-jimenezin

pp 6621–6623

Cheol Hee Hwang, Gyochang Keum, Kyoung Il Sohn, Dong Hoon Lee and Eun Lee*

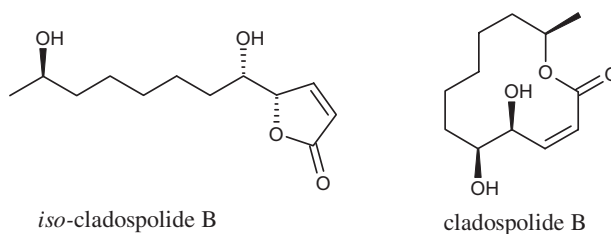


Total synthesis of jimenezin was achieved via radical cyclization of β -alkoxyacrylate and β -alkoxyvinyl sulfoxide intermediates and intramolecular olefin metathesis reaction.

**Efficient total synthesis of *iso*-cladospolide B and cladospolide B**

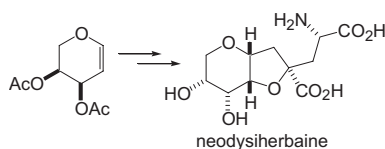
pp 6625–6627

Satyendra Kumar Pandey and Pradeep Kumar*

**Synthesis of neodysiherbaine**

pp 6629–6632

Barry Lygo,* Daniel Slack and Claire Wilson

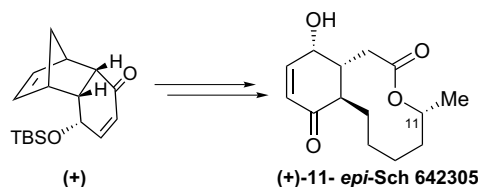


A stereocontrolled synthesis of neodysiherbaine described.

Enantioselective synthesis of *epi*-(+)-Sch 642305: observation of an interesting diastereoselection during RCM

pp 6633–6636

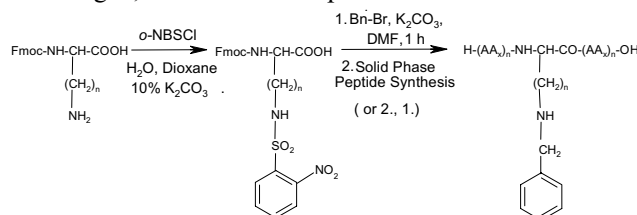
Goverdhan Mehta* and Harish M. Shinde



New synthetic strategy for *o*-NBS protected amino acids and their use in synthesis of mono-benzylated peptides

pp 6637–6640

Stefania De Luca, Raffaella Della Moglie, Antonia De Capua and Giancarlo Morelli*



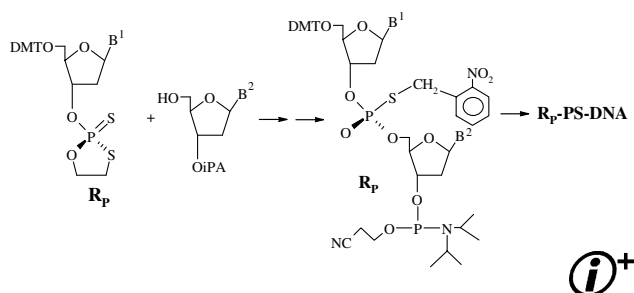
A synthetic strategy to prepare *o*-NBS protected Fmoc-amino acids under mild conditions, in a rapid and efficient way, characterised by high yields and excellent purity of the final products has been developed. The *o*-NBS protected Fmoc-amino acids are employed in solid-phase peptide synthesis to prepare peptidomimetics carrying mono-benzylated moieties.

New approach to the synthesis of oligodeoxyribonucleotides modified with phosphorothioates of predetermined sense of *P*-chirality

pp 6641–6644

Barbara Nawrot,* Beata Rębowska, Katarzyna Cieślinska and Wojciech J. Stec

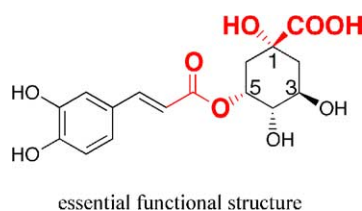
Diastereomerically pure dinucleoside *S*-protected phosphorothioates are useful substrates for the synthesis of *PS*-oligonucleotides containing *P*-stereodefined phosphorothioate bonds in preselected positions.



Essential structure of co-pigment for blue sepal-color development of hydrangea

pp 6645–6649

Tadao Kondo,* Yuki Toyama-Kato and Kumi Yoshida*

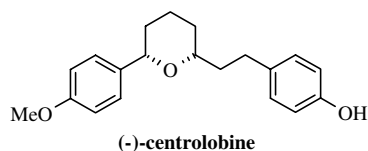


The blue sepal-color of *Hydrangea macrophylla* was developed by a supramolecular pigment composed of delphinidin 3-glucoside, 5-*O*-acyl quinic acid, and Al³⁺. The essential functional structure of co-pigment for blue color development was revealed.

Asymmetric synthesis of the pyran antibiotic (–)-centrolobine

pp 6651–6653

S. Chandrasekhar,* S. Jaya Prakash and T. Shyamsunder

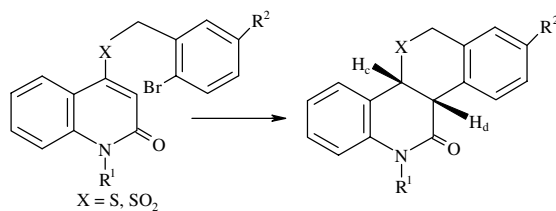


An expedient total synthesis of (–)-centrolobine is achieved involving asymmetric Keck allylation and stereoselective intramolecular oxy-Michael reactions as key steps.

Regioselective synthesis of quinolone-annulated sulfur heterocycles by aryl radical cyclization

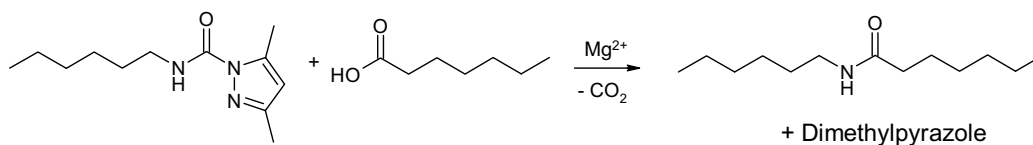
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K. C. Majumdar,* P. P. Mukhopadhyay and A. Biswas

**A catalyst system for the formation of amides by reaction of carboxylic acids with blocked isocyanates**

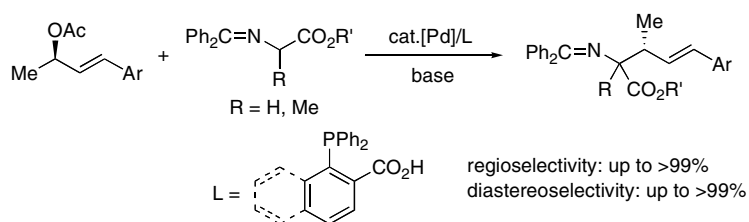
pp 6659–6662

R. Gertzmann and C. Gürtler*

**Palladium-catalyzed construction of amino acid derivatives possessing vicinal chiral quaternary and tertiary carbon centers at the α and β positions**

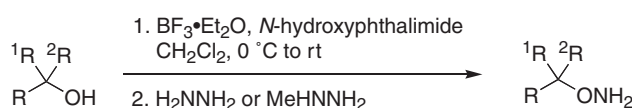
pp 6663–6666

Daiji Ikeda, Motoi Kawatsura* and Junichi Uenishi

**A facile synthesis of (*tert*-alkoxy)amines**

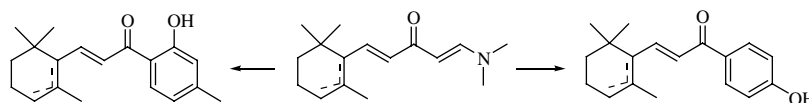
pp 6667–6669

Hasan Palandoken, Chris M. Bocian, Michelle R. McCombs and Michael H. Nantz*



New aromatic annulation reaction via a C₁₄ enaminone synthon: synthesis of ‘terpenoid-like chalcones’ pp 6671–6674

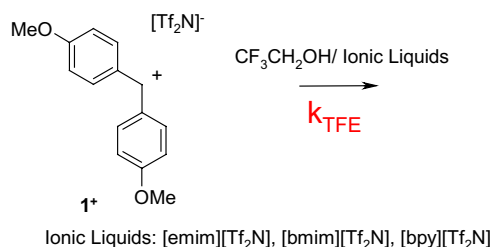
Alain Valla,* Benoist Valla, Dominique Cartier, Régis Le Guillou, Roger Labia and Pierre Potier



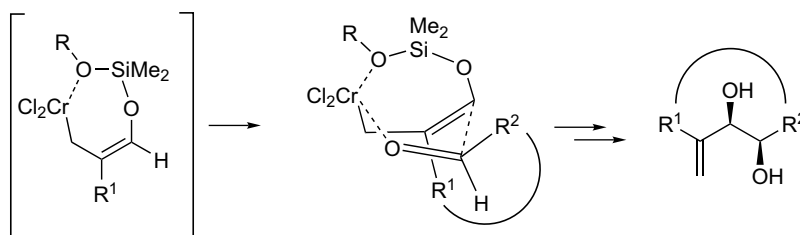
Diverse functionalized synthons from a new C-14 enaminone were reported. These C₁₅ synthons were easily obtained in a one pot process. A new annulation reaction of this C-14 compound with some anions led to new ‘terpenoids-like’ chalcones.

Nucleophilic substitution of chlorobis(4-methoxyphenyl)methane: reactivity of carbenium ions in ILs-trifluoroethanol mixtures pp 6675–6678

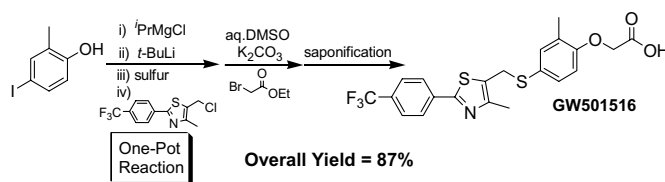
Riccardo Bini, Cinzia Chiappe,* Daniela Pieraccini, Paolo Piccioli and Christian Silvio Pomelli

**Influence of chelating silyl scavengers on the diastereoselectivity of chromium catalyzed pinacol cross couplings** pp 6679–6682

Stefan Fischer, Ulrich Groth,* Marc Jung, Marion Lindenmaier and Till Vogel

**A highly efficient synthesis of antiobestic ligand GW501516 for the peroxisome proliferator-activated receptor δ through in situ protection of the phenol group by reaction with a Grignard reagent** pp 6683–6686

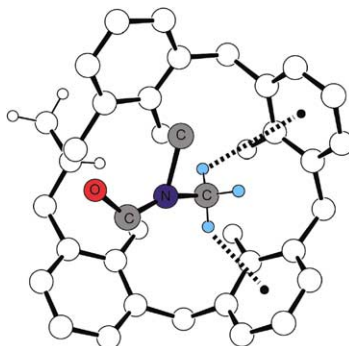
Jungyeob Ham and Heonjoong Kang*



Structures and C–H··· π interactions in DMF inclusion complexes of homoazacalix[4]arenes

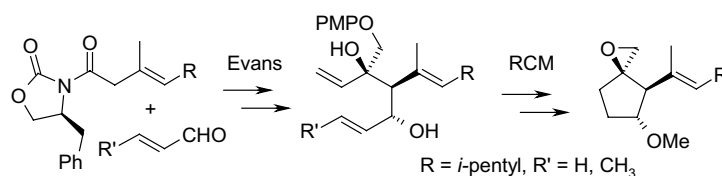
pp 6687–6690

Hiroyuki Takemura,* Tetsuo Iwanaga and Teruo Shinmyozu

**A simple spiroepoxide as methionine aminopeptidase-2 inhibitor: synthetic problems and solutions**

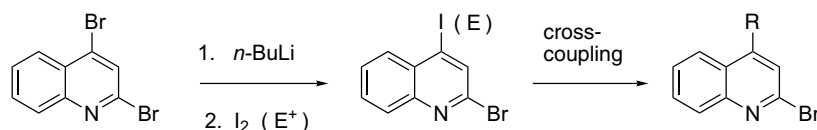
pp 6691–6695

Vincent Rodeschini, Pierre Van de Weghe, Céline Tarnus and Jacques Eustache*

**Regioselective lithium–halogen exchange and palladium-catalyzed cross-coupling reactions of 2,4-dihaloquinolines**

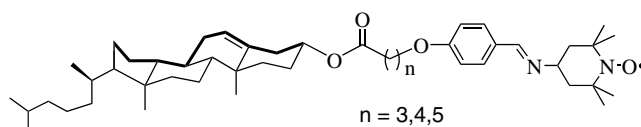
pp 6697–6699

Daniel L. Comins,* Jason M. Nolan and Ibrahim D. Bori

**Glass-forming organic radical compounds with cholesterol and benzylideneamine cores**

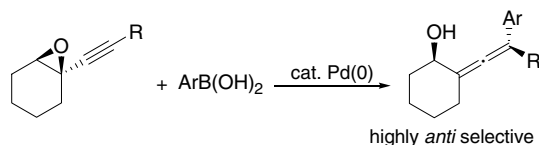
pp 6701–6703

Hidetoshi Kinoshita, Masayuki Hata, Ammathnadu S. Achalkumar, Channabasaveswar V. Yelamaggad, Hiroki Akutsu, Jun-ichi Yamada and Shin'ichi Nakatsuji*

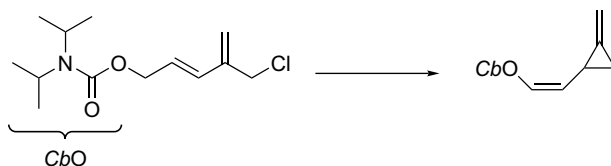


Novel glass-forming radical compounds with cholesterol and benzylideneamine cores showed characteristic heat-responsive magnetic properties and formed a 4-amino-TEMPO-Cu(hfac)₂ (1:2) complex when treated with Cu(hfac)₂.

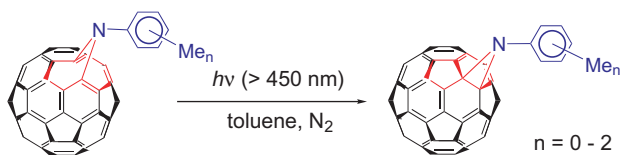
Palladium-catalyzed coupling reaction of propargylic oxiranes with arylboronic acids in aqueous media pp 6705–6708
Masahiro Yoshida,* Hirofumi Ueda and Masataka Ihara*



Formation of 1-methylene-2-vinylcyclopropane by intramolecular S_E' -cycloalkylation reaction pp 6709–6711
Sven Brandau, Roland Fröhlich and Dieter Hoppe*



Drastic change in the rate of photochemical rearrangement of 1,6-(*N*-phenyl)aza-[60]fulleroids by switching the excited states through simple methyl substitution on the phenyl group pp 6713–6716
Akihiko Ouchi,* Bahlul Z. S. Awen, Hongxia Luo, Yasuyuki Araki and Osamu Ito*

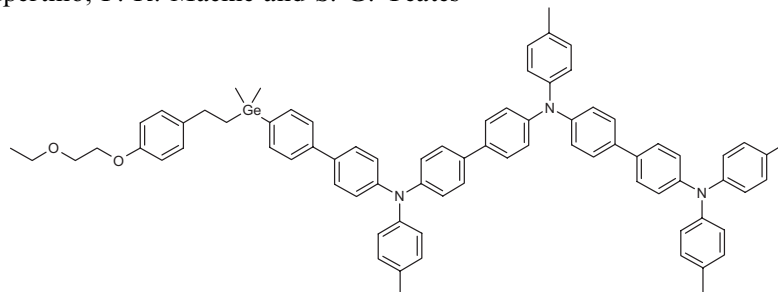


The reaction rate for the photochemical rearrangement of azafulleroids to aziridinofullerenes differed ca. 3000-fold depending on the number and position of the methyl substituent(s) on the *N*-phenyl group.



Solution phase studies towards the synthesis of triarylamine oligomers using a germanium linker on a solid support pp 6717–6721

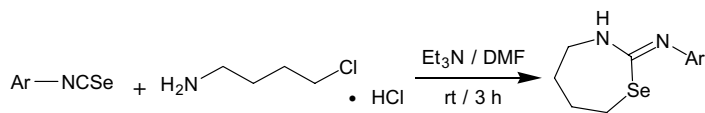
R. Anémian,* D. C. Cupertino, P. R. Mackie and S. G. Yeates



First synthesis of a selenazepane

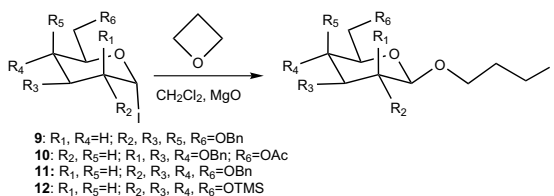
pp 6723–6725

Geoffroy L. Sommen, Anthony Linden and Heinz Heimgartner*

**Thermal effect in β -selective glycosylation reactions using glycosyl iodides**

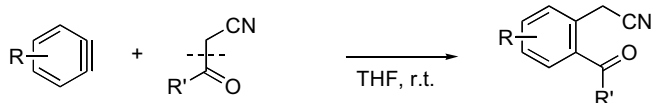
pp 6727–6728

Mohamed H. El-Badry and Jacquelyn Gervay-Hague*

**Aryne insertion into α -cyanocarbonyl compounds: direct introduction of carbonyl and cyanomethyl moieties into the aromatic skeletons**

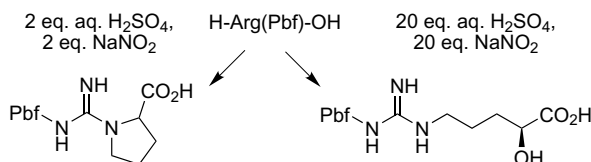
pp 6729–6731

Hiroto Yoshida,* Masahiko Watanabe, Joji Ohshita and Atsutaka Kunai*

**NO as temporary guanidino-protecting group provides efficient access to Pbf-protected argininic acid**

pp 6733–6735

Tommaso Cupido, Jan Spengler, Klaus Burger and Fernando Albericio*

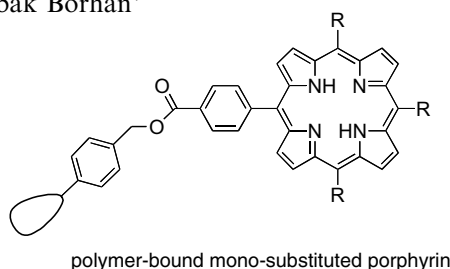


Pbf-protected argininic acid [H-OArg(Pbf)-OH], a building block for Fmoc-solid phase peptide synthesis, is obtained in high yield when a large excess of nitrosating agent is used in conjunction with intermediate N^{δ} -nitrosyl protection and N^{δ} -denitrosation in aqueous acidic medium.

Polymer-supported synthesis of mono-substituted porphyrins

pp 6737–6740

Qifei Yang, Kristina K. Streb and Babak Borhan*



Anchoring of substituted benzaldehydes to soluble and insoluble polymers allows for the synthesis of mono-substituted tetra-arylporphyrins.

Rapid one-pot preparation of 2-substituted benzimidazoles from 2-nitroanilines using microwave conditions

pp 6741–6743

David S. VanVliet, Paul Gillespie and Jan J. Scicinski*

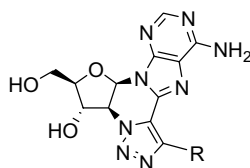


A high yielding one-pot procedure for the generation of 2-substituted benzimidazoles directly from 2-nitroanilines by in situ reduction and cyclization using a microwave procedure is described.

**Synthesis of adenosine-based fluorosides containing a novel heterocyclic ring system**

pp 6745–6748

Gavin O'Mahony, Eleonor Ehrman and Morten Grøtli*

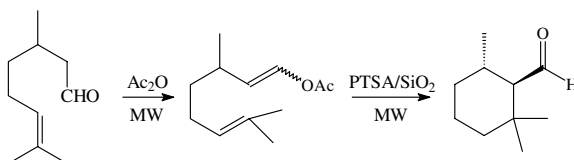


The synthesis of a new class of fluorescent nucleoside analogues ('fluorosides') containing a novel heterocyclic skeleton is reported.

**Fast preparation of dihydrocyclocitral from citronellal under solventless microwave irradiation**

pp 6749–6751

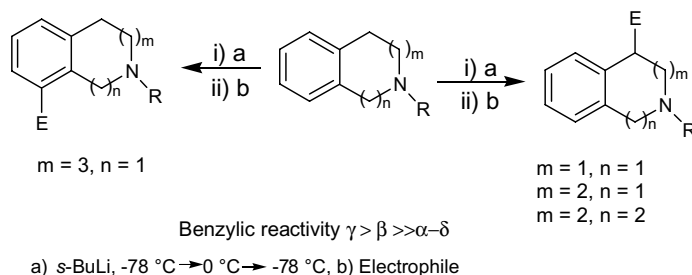
Nhuan Ngoc Doan, Thach Ngoc Le, Poul Erik Hansen and Fritz Duus*



'Counter-intuitive' regioselectivity, subtle steric and solvation effects in lithiation of cyclic tertiary aralkylamines

pp 6753–6755

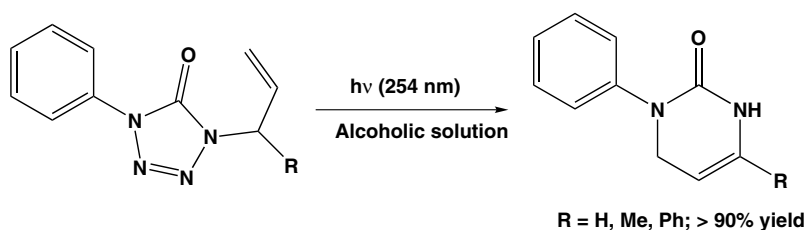
Satinder V. Kessar,* Paramjit Singh, Kamal Nain Singh, P. Venugopalan, Amarjit Kaur, Manu Mahendru and Rajiv Kapoor



Novel efficient synthesis of 3,4-dihydro-6-substituted-3-phenylpyrimidin-2(1*H*)-ones

pp 6757–6760

Luís M. T. Frija, Igor V. Khmelinskii and M. Lurdes S. Cristiano*

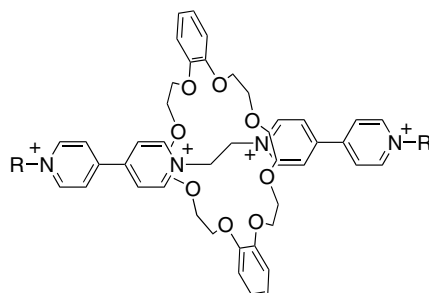


Photolysis ($\lambda = 254$ nm) of 4-allyltetrazolones in alcoholic solutions produces stable 3,4-dihydro-6-substituted-3-phenylpyrimidin-2(1*H*)-ones in nearly quantitative yields.

Electrochemically induced dethreading of a 2-pseudorotaxane based on the 1,2-bis(4,4'-pyridinium)-ethane/24-crown-8 ether motif

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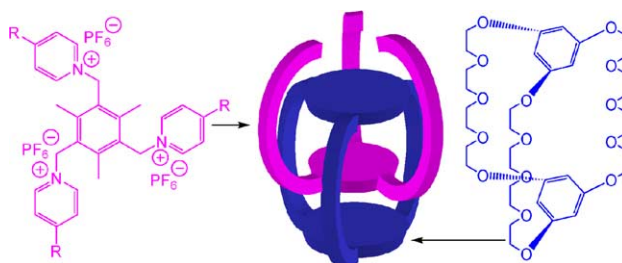
Brian Gorodetsky and Neil R. Branda*



Slow-exchange C_3 -symmetric cryptand/trispyridinium inclusion complexes containing non-linear guests: a new type of threaded structure

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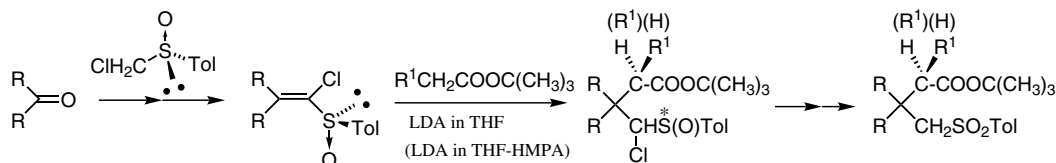
Feihe Huang, Frank R. Fronczek, Mehdi Ashraf-Khorassani and Harry W. Gibson*



A novel method for asymmetric synthesis of both enantiomers of α -substituted carboxylic acid derivatives from optically active 1-chlorovinyl *p*-tolyl sulfoxides and lithium ester enolates with 1,4-chiral induction from the sulfur chiral center

pp 6771–6775

Shimpei Sugiyama, Masahiro Kido and Tsuyoshi Satoh*



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*Corresponding author

i+ Supplementary data available via ScienceDirect

COVER

Total synthesis of (–)-jimenezin was achieved via radical cyclization of β -alkoxyacrylate and β -alkoxyvinyl sulfoxide intermediates and intramolecular olefin metathesis reaction. *Tetrahedron Letters* **2005**, 46, 6621–6623.

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ISSN 0040-4039