

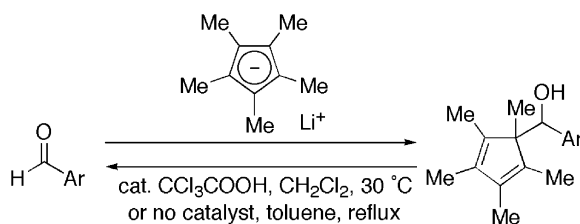
Contents

COMMUNICATIONS

Pentamethylcyclopentadienide in organic synthesis: nucleophilic addition of lithium pentamethylcyclopentadienide to aromatic aldehydes and carbon–carbon bond cleavage of the adducts affording the parent aldehydes

pp 4831–4833

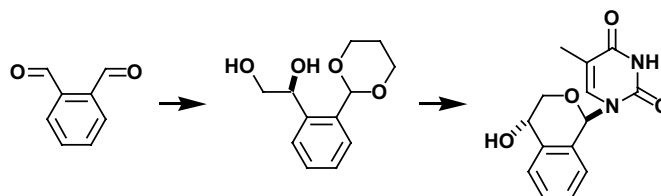
Kazunari Yagi, Hideki Yorimitsu* and Koichiro Oshima*



Asymmetric synthesis of thymine nucleoside analogues based on the isochroman core

pp 4835–4838

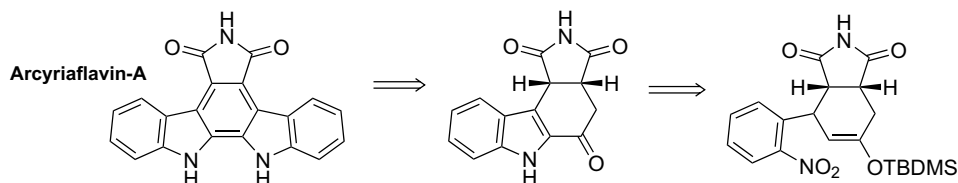
Christophe Len* and Bruno Violeau



New synthesis of arcyrflavin-A via silyl enol ether-mediated and Fischer indolisations

pp 4839–4841

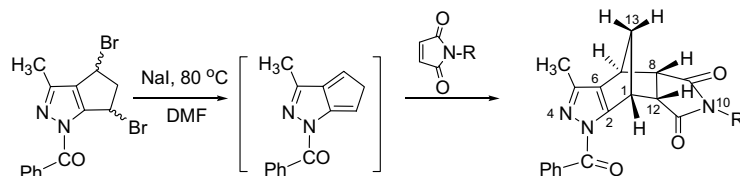
Dulce Alonso, Esther Caballero,* Manuel Medarde and Fernando Tomé*



Synthesis of polycyclic pyrazoles through formation of the first fused heterocyclic *o*-quinodimethane intermediate

pp 4843–4845

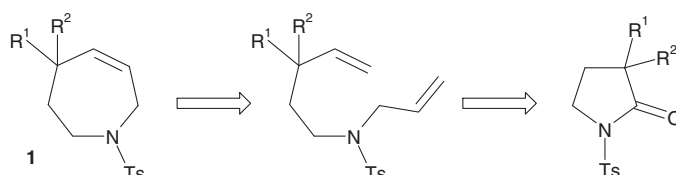
Despina Konstantinidou, Marina Papageorgiou, J. Stephanidou-Stephanatou* and Constantinos A. Tsoleridis



Synthesis of a novel series of 4,4-disubstituted 2,3,4,7-tetrahydroazepines

pp 4847–4850

Mario Barberis, Pablo García-Losada, Sehila Pleite, Juan Ramón Rodríguez, José Francisco Soriano and Javier Mendiola*

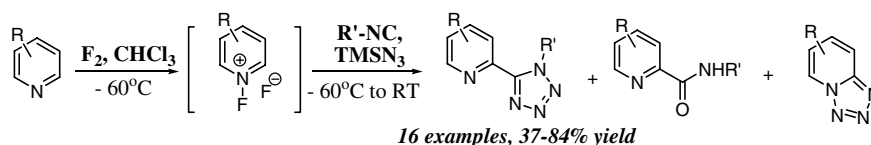


A general, simple and straightforward strategy for the synthesis of a novel series of 4,4-disubstituted 2,3,4,7-tetrahydroazepines is described. This route involves a one-pot Wittig olefination/N-allylation process on a five-membered hemi-aminal followed by a final ring closing metathesis reaction.

Reaction of *N*-fluoropyridinium fluoride with isonitriles and TMSN_3 : a convenient one-pot synthesis of tetrazol-5-yl pyridines

pp 4851–4854

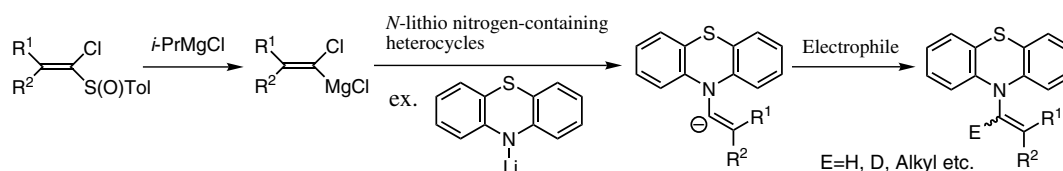
Alexander S. Kiselyov



A novel direct *N*-alkenylation of nitrogen-containing heterocycles with magnesium alkylidene carbenoids

pp 4855–4858

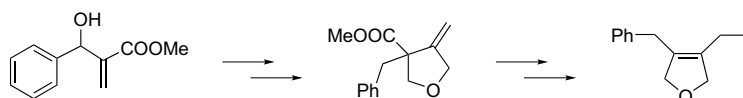
Tsuyoshi Satoh,* Jo Sakurada and Yumi Ogino



Synthesis of 3,4-disubstituted 2,5-dihydrofurans starting from the Baylis–Hillman adducts via consecutive radical cyclization, halolactonization, and decarboxylation strategy

pp 4859–4863

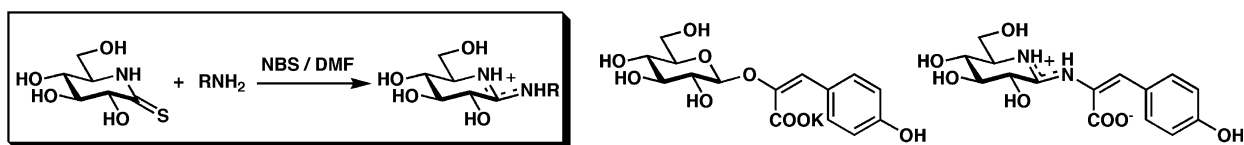
Saravanan Gowrisankar, Ka Young Lee and Jae Nyoung Kim*



Concise synthesis of glyconoamidines as affinity ligands for the purification of β -glucosidase involved in control of some biological events including plant leaf movement

pp 4865–4869

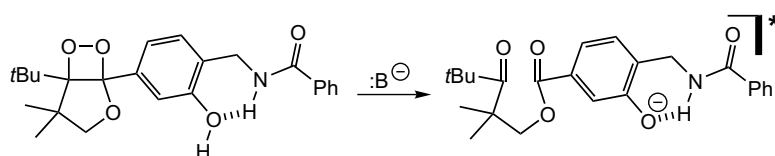
Eisuke Kato, Tadahiro Kumagai and Minoru Ueda*



Base-induced decomposition of dioxetanes bearing a 3-hydroxyphenyl moiety substituted with a proton-donating group at the 4-position: effect of intramolecular hydrogen bonding on decomposition rate and chemiluminescence efficiency

pp 4871–4874

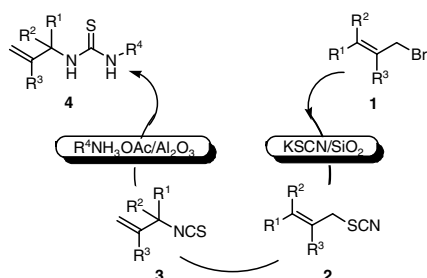
Nobuko Watanabe, Yuki Matsumoto and Masakatsu Matsumoto*



One-pot synthesis of *N*-allylthioureas using supported reagents

pp 4875–4878

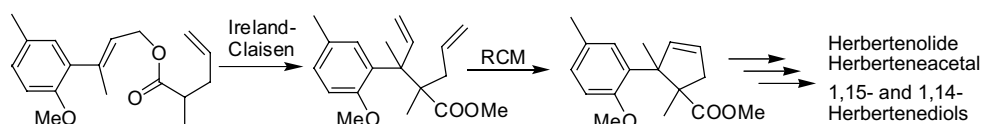
Tadashi Aoyama,* Sumiko Murata, Yasutaka Nagata, Toshio Takido and Mitsuo Kodomari



Construction of vicinal quaternary carbon atoms by Ireland ester Claisen rearrangement: total synthesis of (±)-herbertenolide, (±)-herberteneacetal, (±)-herbertene-1,14-diol and (±)-herbertene-1,15-diol

pp 4879–4881

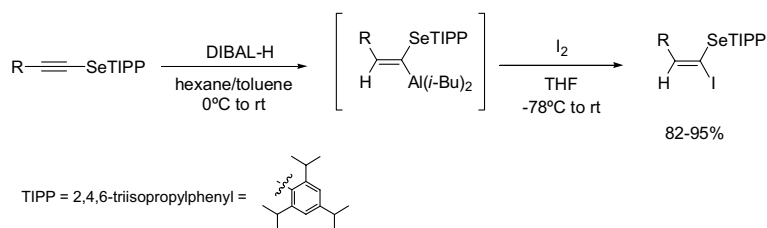
A. Srikrishna* and B. Vasantha Lakshmi



Stereoselective synthesis of (E)-1-iodo-1-selenoalkenes via hydroalumination–iodination of 1-alkynyl selenides

pp 4883–4886

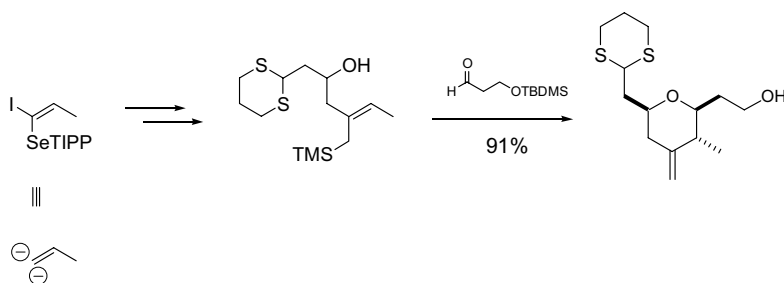
Carlos Pérez-Balado, Fabio Lucaccioni and István E. Markó*



A connective approach to the tetrahydropyran subunit of polycavernoside A via a novel 1,1-dianion equivalent

pp 4887–4890

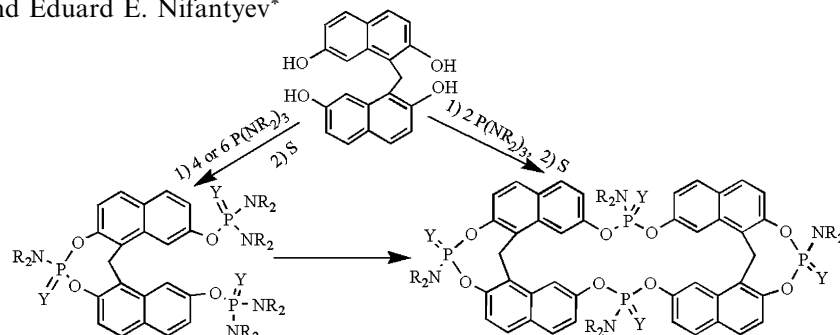
Carlos Pérez-Balado and István E. Markó*



Synthesis of phosphocyclic 2,2',7,7'-tetrahydroxydinaphthylmethane derivatives

pp 4891–4893

Vera I. Maslennikova, Tatyana Yu. Sotova, Larisa K. Vasyanina, Ingmar Bauer, Wolf D. Habicher and Eduard E. Nifantsev*

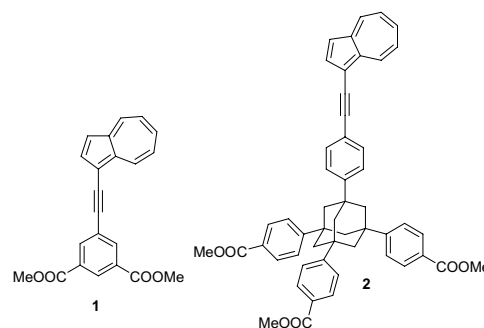


Synthesis of novel rigid-rod and tripodal azulene chromophores

pp 4895–4899

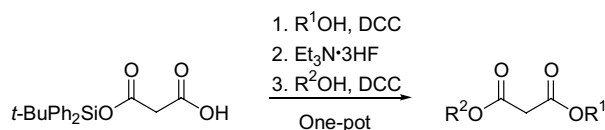
Massimiliano Lamberto, Cynthia Pagba, Piotr Piotrowiak* and Elena Galoppini*

Two novel azulene chromophores **1** and **2** were synthesized and bound to colloidal TiO₂ to study dynamics of electron injection at the interface of TiO₂ semiconductor nanoparticles. Fluorescence quenching was observed upon binding.

**One-pot tethering of organic molecules through non-symmetric malonate derivatives**

pp 4901–4903

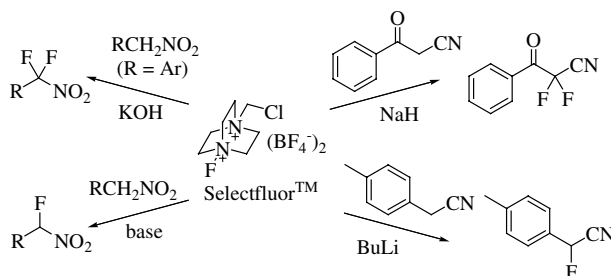
Daniel Sherman, Rimma Shelkov and Artem Melman*

**Convenient fluorination of nitro and nitrile compounds with Selectfluor**

pp 4905–4909

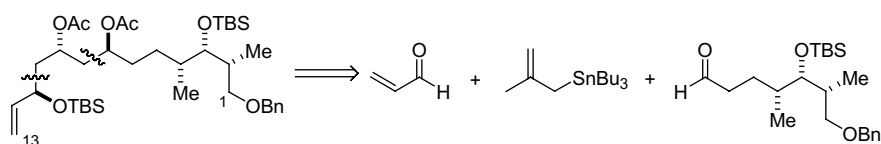
Weimin Peng and Jean'ne M. Shreeve*

A variety of nitro and nitrile compounds were fluorinated in good yields with Selectfluor. Selecting the appropriate base as a function of the properties of the substrate and using proper amounts of the base and of Selectfluor were crucial for successful syntheses.

**Stereoselective synthesis of the C₁–C₁₃ segment of dolabelide B**

pp 4911–4914

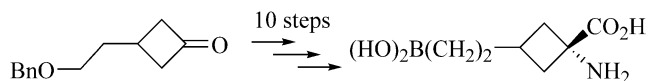
Gary E. Keck* and Mark D. McLaws



Synthesis of a boronated amino acid as a potential neutron therapy agent: 1-amino-3-[(dihydroxyboryl)ethyl]cyclobutanecarboxylic acid

pp 4915–4917

George W. Kabalka,* Min-Liang Yao and Abhijit Navarane

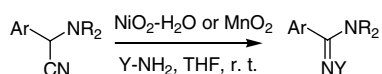


A novel boronated aminocyclobutanecarboxylic acid was synthesized in 10 steps for potential use in neutron capture therapy. The molecule was modeled after the unnatural amino acid 1-aminocyclobutanecarboxylic acid, which has shown high uptake in brain tumors.

Synthesis of substituted aryl amidines from aminoacetonitriles

pp 4919–4923

Zhiwei Yin, Zhongxing Zhang, Juliang Zhu, Henry Wong, John F. Kadow, Nicholas A. Meanwell and Tao Wang*

**OTHER CONTENTS**

Corrigendum

p 4925

Contributors to this issue

p I

Instructions to contributors

pp III–VI

*Corresponding author

Supplementary data available via ScienceDirect



Full text of this journal is available, on-line from **ScienceDirect**. Visit www.sciencedirect.com for more information.

Indexed/Abstracted in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch



ELSEVIER

ISSN 0040-4039