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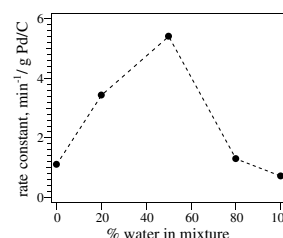
COMMUNICATIONS

Enhancement of the catalytic hydrodechlorination of tetrachloroethylene in methanol at mild conditions by water addition

pp 3613–3617

Neil C. Concibido,* Tetsuji Okuda, Yoichi Nakano, Wataru Nishijima and Mitsumasa Okada

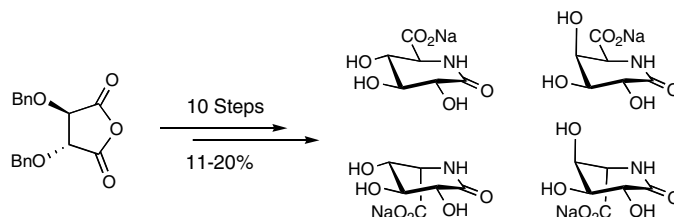
PCE dechlorination over Pd/C at mild conditions was accelerated by adding water to MeOH as reaction solvent. Rates increased as the amount of water was increased from 0% to 50%, beyond which the rate decreased. Water enhanced PCE adsorption onto Pd/C but decreased the solubility of H₂.



Synthesis of D-gluco-, L-ido-, D-galacto-, and L-altro-configured glycaro-1,5-lactams from tartaric acid

pp 3619–3622

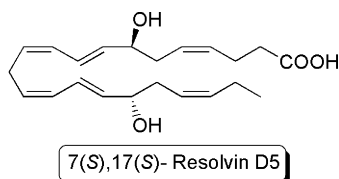
Jagadish Pabba and Andrea Vasella*



First total synthesis of 7(S),17(S)-Resolvin D5, a potent anti-inflammatory docosanoid

pp 3623–3627

Ana R. Rodríguez and Bernd W. Spur*

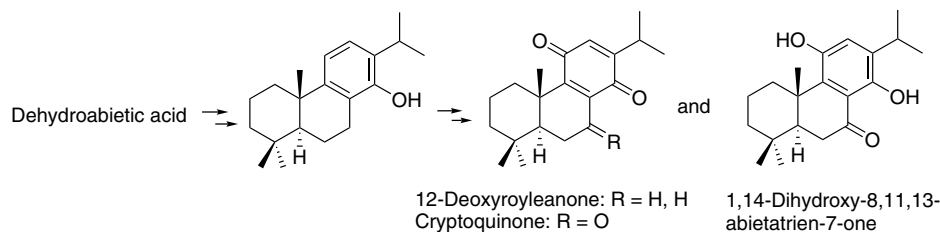


A total synthesis of a biological highly active lipid mediator derived from docosaheptaenoic acid is described.

Synthesis of 12-deoxyroyleanone, cryptoquinone, 11,14-dihydroxy-8,11,13-abietatrien-7-one, and related derivatives from dehydroabietic acid

pp 3629–3632

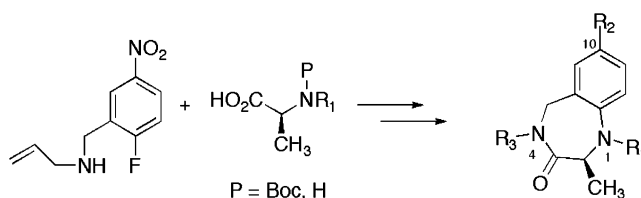
Yoh-ichi Matsushita,* Yoshihisa Iwakiri, Satoru Yoshida, Kazuhiro Sugamoto and Takanao Matsui



A simple route to tetrahydro-1,4-benzodiazepin-3-ones bearing diverse N1, N4, and C10 functionalization

pp 3633–3635

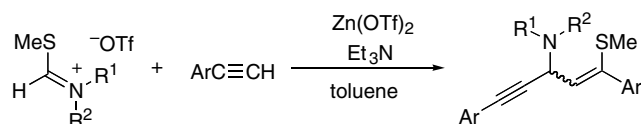
Ella C. Clement and Paul R. Carlier*



Addition reaction of zinc acetylides to thioiminium salts leading to 3-amino-1-sulfenyl-1,4-enynes

pp 3637–3640

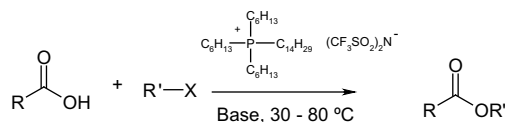
Toshiaki Murai,* Yukiyasu Ohta and Yuichiro Mutoh



A mild esterification process in phosphonium salt ionic liquid

pp 3641–3644

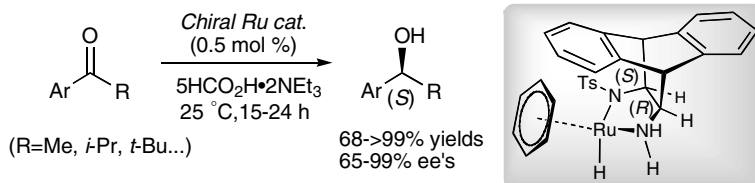
James McNulty,* Sreedhar Cheekoori, Jerald J. Nair, Vladimir Larichev, Alfredo Capretta and Al J. Robertson



Highly efficient asymmetric transfer hydrogenation of ketones catalyzed by chiral ‘roofed’ *cis*-diamine–Ru(II) complex

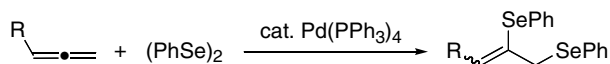
pp 3645–3648

Hirofumi Matsunaga, Tadao Ishizuka* and Takehisa Kunieda

**A highly regioselective bissenation of allenes with diphenyl diselenide catalyzed by tetrakis(triphenylphosphine)palladium(0)**

pp 3649–3652

Ikuyo Kamiya, Etsuyo Nishinaka and Akiya Ogawa*

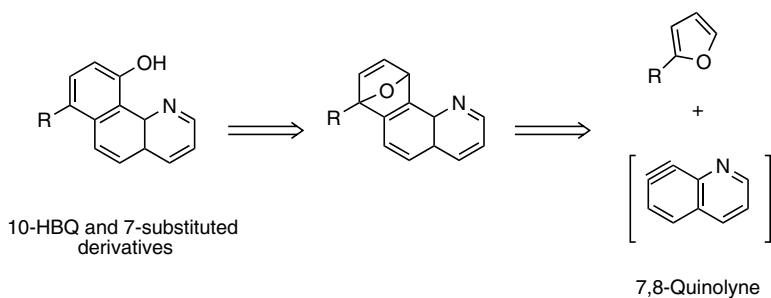


Tetrakis(triphenylphosphine)palladium(0) acts as an effective catalyst for highly regioselective bissenation of allenes with diphenyl diselenide.

Studies into the generation and Diels–Alder reactions of 7,8-quinolyne with furan dienes

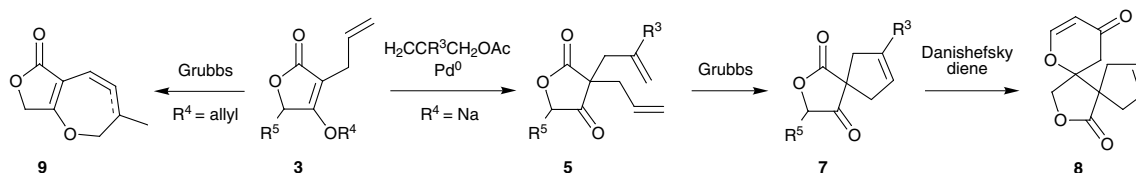
pp 3653–3656

Gavin E. Collis* and Anthony K. Burrell

**Annulated butanolides by ring closing metathesis of diallyltetronic acid derivatives**

pp 3657–3660

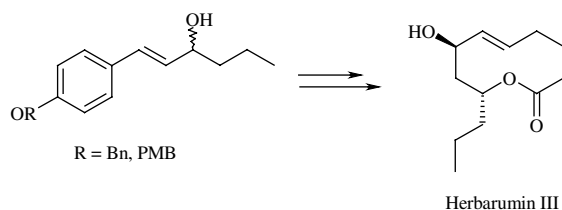
Rainer Schobert* and Juan Manuel Urbina-González



Chemoenzymatic total synthesis of the phytotoxic lactone herbarumin III

pp 3661–3663

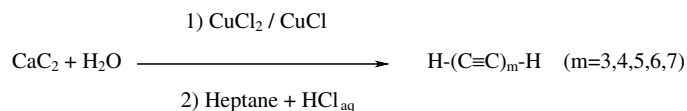
Samik Nanda



The simplest approach to prepare solutions of polyynes in hydrocarbons

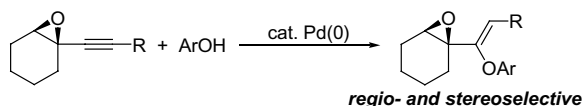
pp 3665–3667

Franco Cataldo

Regioselective *anti*-addition of phenols to propargylic oxiranes by palladium(0) catalyst

pp 3669–3672

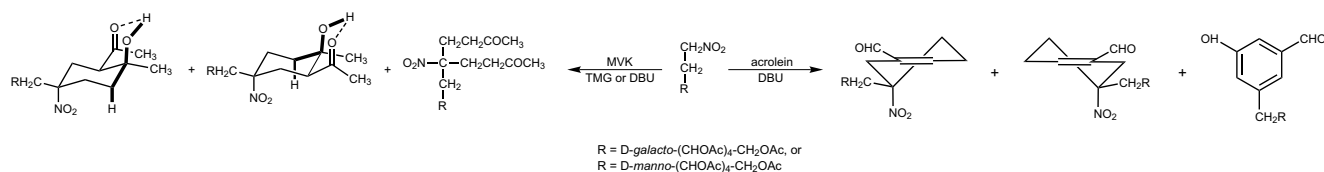
Masahiro Yoshida,* Yukio Morishita and Masataka Ihara*



Tandem Michael addition and intramolecular aldol cyclization of 1,2-dideoxy-1-nitroheptitols derived from sugars

pp 3673–3676

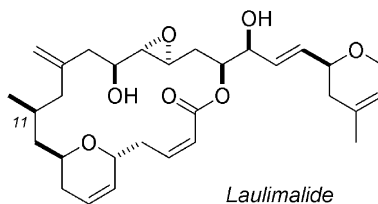
M. V. Berrocal, M. V. Gil, E. Román,* J. A. Serrano, M. B. Hursthouse and M. E. Light



Conformational studies and solution structure of laulimalide and simplified analogues using NMR spectroscopy and molecular modelling

pp 3677–3682

Ian Paterson,* Dirk Menche, Robert Britton, Anders E. Håkansson and María Á. Silva-Martínez

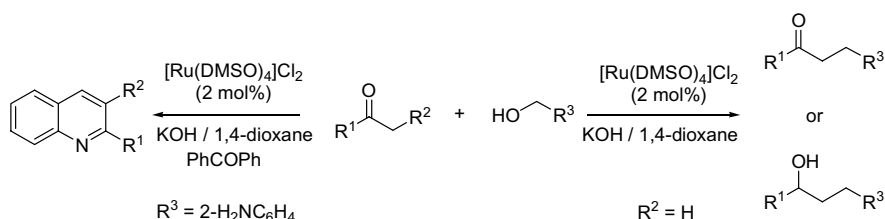


The solution structure of the microtubule-stabilizing anti-cancer agent laulimalide, together with a series of simplified structural analogues, was determined by a combination of high field ^1H NMR spectroscopic studies and constrained molecular dynamics simulations.

 **$[\text{Ru}(\text{DMSO})_4]\text{Cl}_2$ catalyzes the α -alkylation of ketones by alcohols**

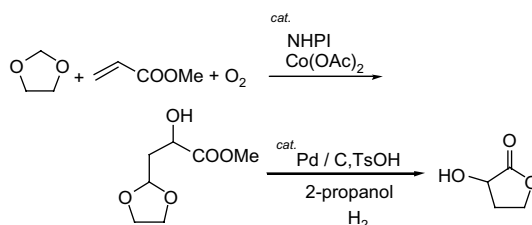
pp 3683–3686

Ricardo Martínez, Gabriel J. Brand, Diego J. Ramón and Miguel Yus*

**Synthesis of α -hydroxy- γ -butyrolactones from acrylates and 1,3-dioxolanes using *N*-hydroxyphthalimide (NHPI) as a key catalyst**

pp 3687–3689

Takashi Kagayama, Satoshi Sakaguchi and Yasutaka Ishii*

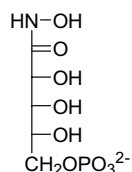


A new route to α -hydroxy- γ -butyrolactones through three-component radical coupling of 1,3-dioxoranes, acrylates, and molecular oxygen using *N*-hydroxyphthalimide (NHPI) as a key catalyst has been developed.

Synthesis of 5-deoxy-5-phospho-D-ribonohydroxamic acid: a new competitive and selective inhibitor of type B ribose-5-phosphate isomerase from *Mycobacterium tuberculosis*

pp 3691–3694

Emmanuel Burgos, Annette K. Roos, Sherry L. Mowbray and Laurent Salmon*

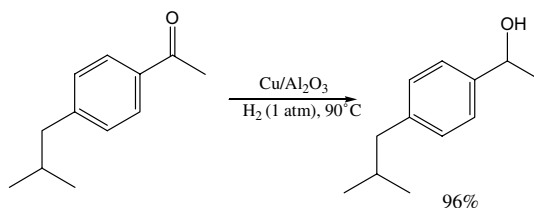


The first selective competitive inhibitor of *Mycobacterium tuberculosis* RpiB versus *Spinacia oleracea* RpiA, a mimic of the 1,2-*cis*-enediolate high-energy intermediate species of the allose-6-phosphate isomerase reaction, was obtained by a six-step synthesis from D-erythrulose.

Heterogeneous selective catalytic hydrogenation of aryl ketones to alcohols without additives

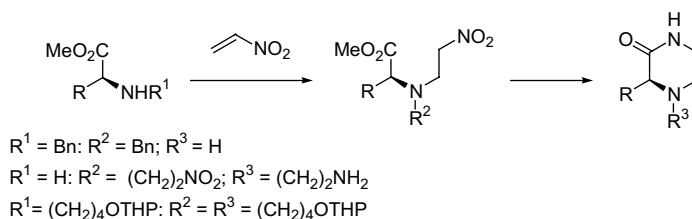
pp 3695–3697

Federica Zaccheria, Nicoletta Ravasio,* Rinaldo Psaro and Achille Fusi

**A simple entry to chiral non-racemic 2-piperazinone derivatives**

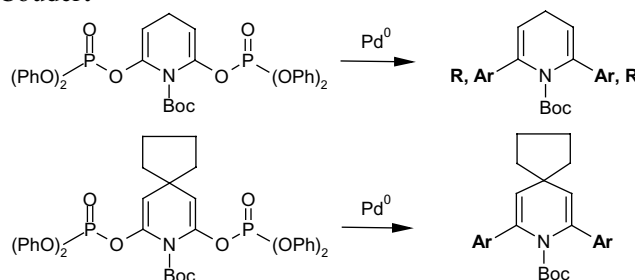
pp 3699–3701

Gian Piero Pollini,* Nikla Baricordi, Simonetta Benetti, Carmela De Risi* and Vinicio Zanirato

**Reactivity of bis-vinylphosphates obtained from imide derivatives. Synthesis of 2,6-disubstituted 1,4-dihydropyridines**

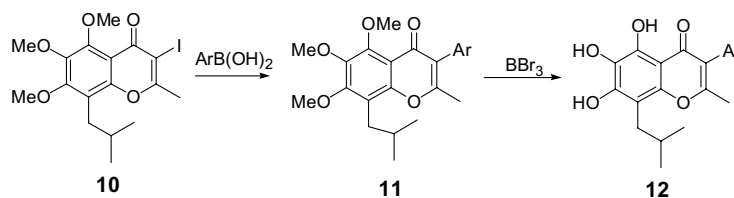
pp 3703–3705

Deborah Mousset, Isabelle Gillaizeau,* Jwanro Hassan, Franck Lepifre, Pascal Bouyssou and Gérard Coudert*

**Efficient synthesis of isoflavone analogues via a Suzuki coupling reaction**

pp 3707–3709

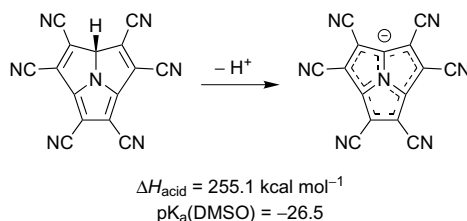
Ke Ding and Shaomeng Wang*



High acidity of polycyano azatriquinanes—theoretical prediction by the DFT calculations

pp 3711–3713

Robert Vianello and Zvonimir B. Maksić*

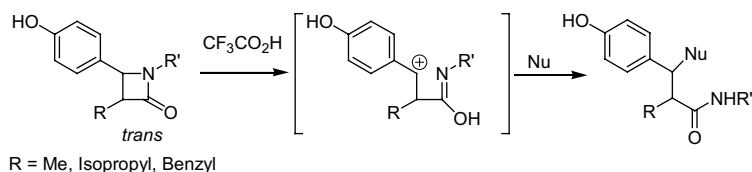


Hexacyano-substituted aza-acepentalene exhibits extremely high superacidity in the gas phase and in DMSO solution as predicted by the DFT-B3LYP theory. The corresponding values are $\Delta H_{\text{acid}} = 255.1 \text{ kcal mol}^{-1}$ and $\text{p}K_{\text{a}}(\text{DMSO}) = -26.5$.

The synthesis of ‘tyrosyl’ peptidomimetics by acid-catalyzed N(1)–C(4) ring opening of 4-(4'-hydroxyphenyl)-azetidine-2-ones

pp 3715–3718

Pijus Kumar Mandal, Larry A. Cabell and John S. McMurray*

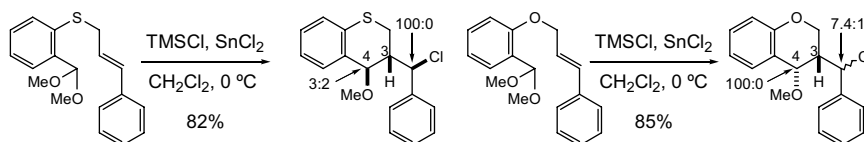


Acid-catalyzed N(1)–C(4) bond cleavage and subsequent intermolecular and intramolecular Friedel–Crafts reaction of 4-(4'-hydroxyphenyl)-azetidine-2-ones are described.

Synthesis of substituted dihydrobenzothiopyrans and dihydrobenzopyrans by cation-mediated cyclisation reactions

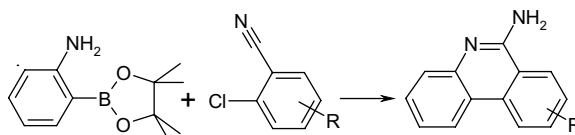
pp 3719–3723

Jean-François Bonfanti and Donald Craig*

**An expeditious synthesis of 6-aminophenanthridines**

pp 3725–3727

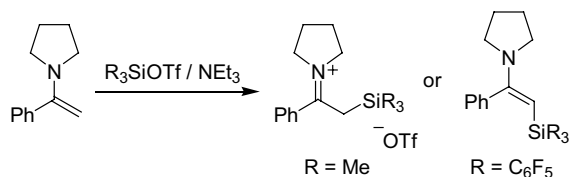
Fabienne Gug, Marc Blondel, Nathalie Desban, Serge Bouaziz, Jean-Michel Vierfond and Hervé Galons*



On the interaction of silyl triflates with enamines: iminium ion formation versus silylation

pp 3729–3732

Vitalij V. Levin, Alexander D. Dilman,* Pavel A. Belyakov, Alexander A. Korlyukov, Marina I. Struchkova and Vladimir A. Tartakovsky

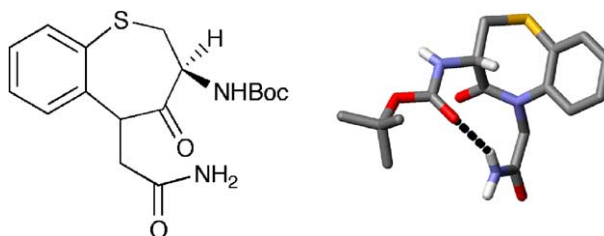


The interaction of silyl triflates with enamines has been studied.

Structural elucidation of the β -turn inducing (*S*)-[3-amino-4-oxo-2,3-dihydro-5*H*-benzo[*b*]-[1,4]thiazepin-5-yl] acetic acid (DBT) motif

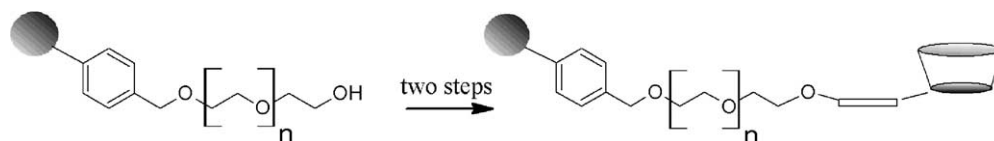
pp 3733–3735

Muriel Amblard,* Nicolas Raynal, Marie-Christine Averlant-Petit, Claude Didierjean, Monique Calmès, Olivier Fabre, André Aubry, Michel Marraud and Jean Martinez

**Microwave-assisted immobilization of β -cyclodextrin on PEGylated Merrifield resins**

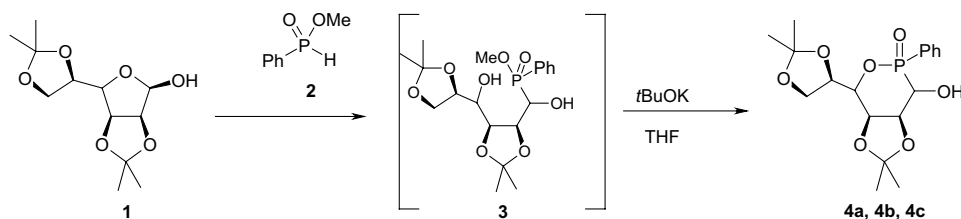
pp 3737–3739

May Siu, Varoujan A. Yaylayan,* Jacqueline M. R. Bélanger and J. R. Jocelyn Paré

**First synthesis of *P*-aryl-phosphinosugars, organophosphorus analogues of *C*-arylglycosides**

pp 3741–3744

Henri-Jean Cristau,* Jérôme Monbrun, Julie Schleiss, David Virieux and Jean-Luc Pirat*

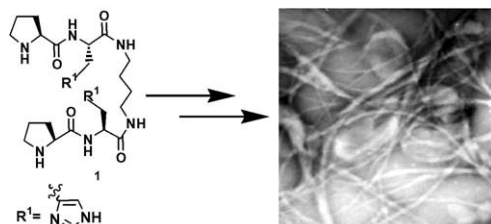


The synthesis of the first example of *P*-arylphosphinosugar is reported. The protected polyhydroxylated 1,2-oxaphosphinane is prepared by a two steps sequence (phenylphosphinate addition on protected mannofuranose followed by intramolecular transesterification) on gram scale. Deprotection of the di-isopropylidene derivative using acidic cation-exchange resin affords the free hydroxy organophosphorus heterocycle analogous to *C*-arylglycosides.

Enforcing aggregation in a dipeptide conjugate

pp 3745–3749

C. Madhavaiah, K. Krishna Prasad and Sandeep Verma*

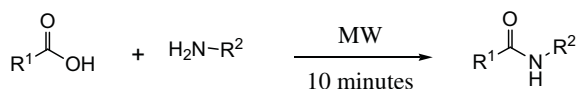


This report describes the synthesis, characterization and self-assembly of a bis-dipeptide. Evaluation of the morphologies so generated are probed by electron microscopic studies.

An atom efficient and solvent-free synthesis of structurally diverse amides using microwaves

pp 3751–3754

Edith Gelens, Luc Smeets, Leo A. J. M. Sliedregt, Bart J. van Steen, Chris G. Kruse, Rob Leurs and Romano V. A. Orru*



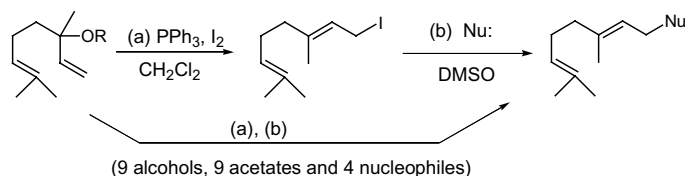
R^1 = Aryl, alkyl, containing a chiral center

R^2 = Aryl, alkyl, containing a chiral center

Reaction of allylic and benzylic alcohols and esters with PPh_3/I_2 : one-pot synthesis of β,γ -unsaturated compounds

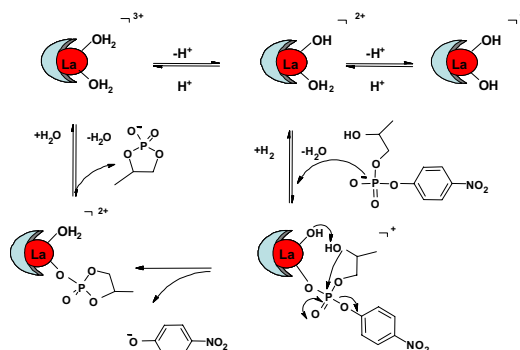
pp 3755–3759

E. J. Alvarez-Manzaneda,* R. Chahboun, E. Cabrera Torres, E. Alvarez, R. Alvarez-Manzaneda, A. Haidour and J. M. Ramos López

**Cyclen based lanthanide ion ribonuclease mimics: the effect of pyridine cofactors upon phosphodiester HPNP hydrolysis**

pp 3761–3766

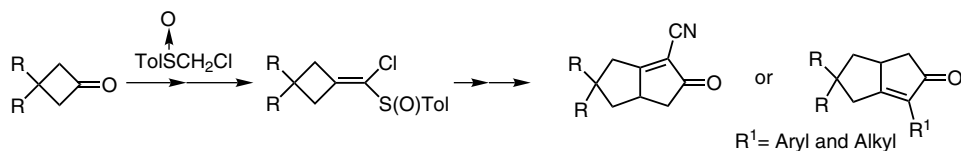
Thorfinnur Gunnlaugsson,* R. Jeremy H. Davies, Paul E. Kruger, Paul Jensen, Thomas McCabe, Sinead Mulready, John E. O'Brien, Clarke S. Stevenson and Ann-Marie Fanning



A novel synthesis of bicyclo[3.3.0]oct-1-en-3-ones from cyclobutanones through [chloro(*p*-tolylsulfinyl)methylidene]cyclobutanes with ring expansion

pp 3767–3770

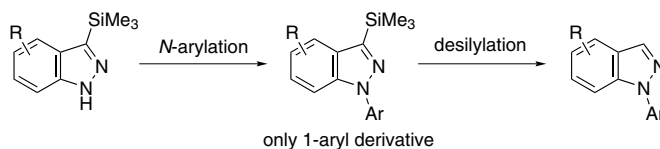
Tadashi Kawashima, Hiroaki Kashima, Daisuke Wakasugi and Tsuyoshi Satoh*



Regioselective synthesis of 1-aryllindazoles via N-arylation of 3-trimethylsilylindazoles

pp 3771–3774

Yoshiyuki Hari, Yoshimichi Shoji and Toyohiko Aoyama*

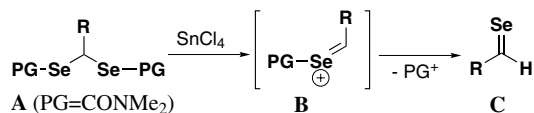


Novel generation of selenoaldehydes through stannic chloride-induced unsymmetrical C–Se bond cleavage of bis(*N,N*-dimethylcarbamoylseleno)methanes

pp 3775–3778

Kazuaki Shimada,* Yaling Gong, Hidenori Nakamura, Rei Matsumoto, Shigenobu Aoyagi and Yuji Takikawa

Reaction of diselenoacetals **A** with SnCl_4 afforded β -1,3,5-triselenanes through a stepwise pathway involving the generation of acylselenium ions **B** and selenoaldehydes **C**.



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*Corresponding author

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