



Tetrahedron Vol. 64, No. 49, 2008

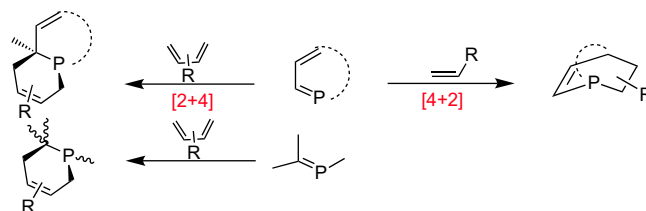
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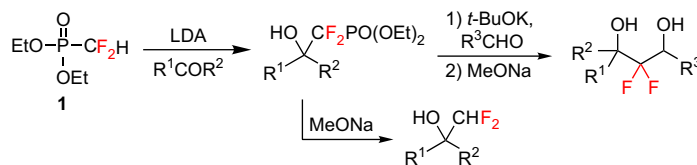


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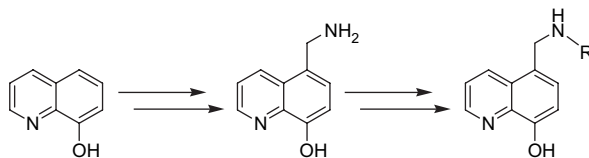
Petr Beier*, Anastasia V. Alexandrova, Mikhail Zibinsky, G.K. Surya Prakash*



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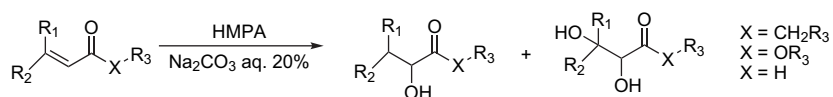
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Lihua Li, Bing Xu*

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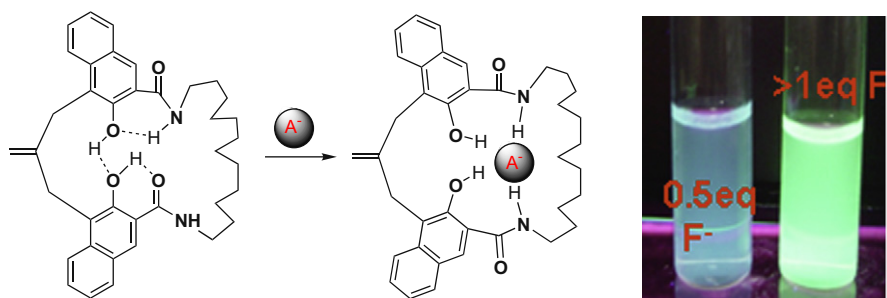
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Francisco A. Macías*, María D. García-Díaz, Guillermo M. Massanet, José F. Gómez-Madero, Frank R. Fronczek, Juan C.G. Galindo

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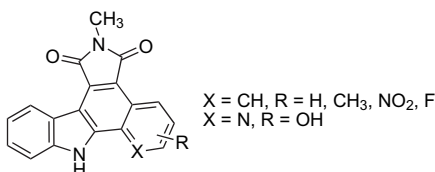
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Wei-tao Gong, Kazuhisa Hiratani*, Shim Sung Lee

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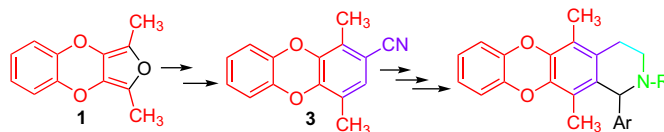
Aurélie Bourderioux, Paméla Kassis, Jean-Yves Mèroux, Sylvain Routier*



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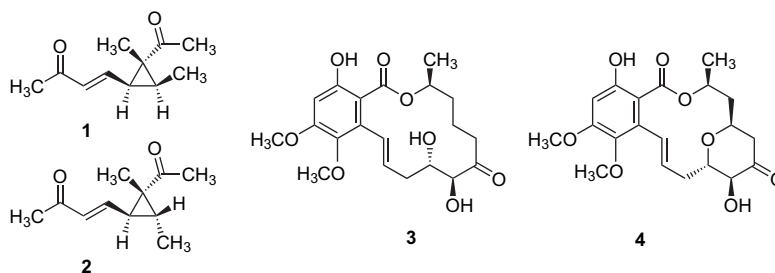
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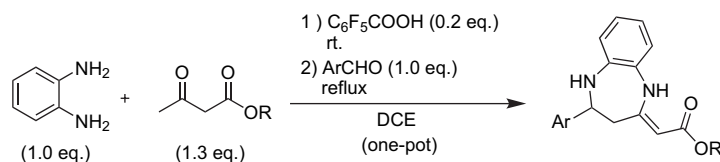
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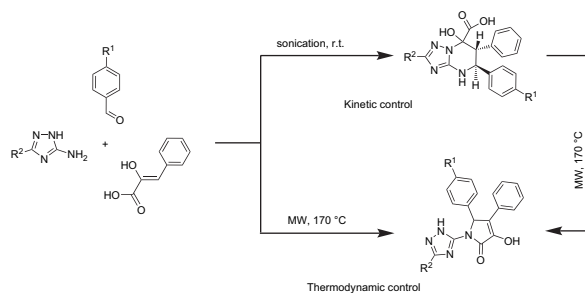
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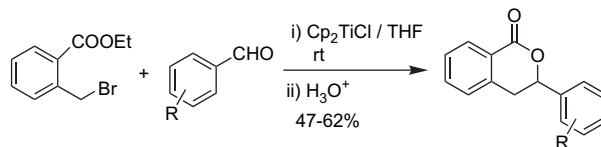
Yana I. Sakhno, Sergey M. Desenko, Svetlana V. Shishkina, Oleg V. Shishkin, Dmytro O. Sysoyev, Ulrich Groth, C. Oliver Kappe, Valentin A. Chebanov*



Titanocene(III) chloride mediated radical-induced synthesis of 3,4-dihydroisocoumarins: synthesis of (±)-hydrangenol, (±)-phyllodulcin, (±)-macrophyllol and (±)-thunberginol G

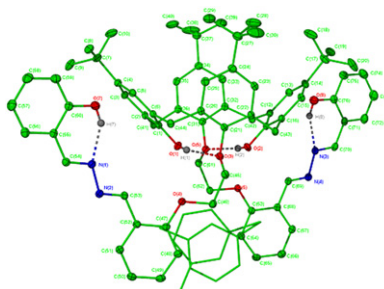
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Samir Kumar Mandal, Subhas Chandra Roy*


Calix[4]arene Schiff bases—potential ligands for fluorescent studies

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Mary F. Mahon, John McGinley*, A. Denise Rooney, John M.D. Walsh

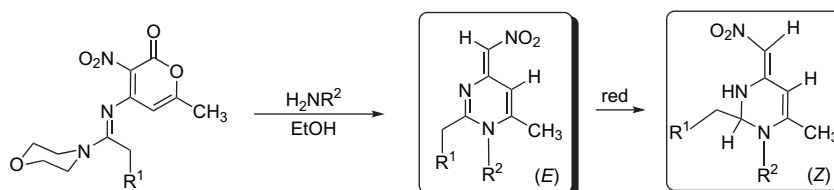


Functionalisation of calix[4]arenes involving Schiff-base reactions was carried out to give a series of calix[4]arene derivatives, which have the pendant arms in a fold-back rather than face-to-face conformation.

Synthesis of 4-nitromethylene-1,4-dihydropyrimidine derivatives as pyrimidine nucleoside analogues

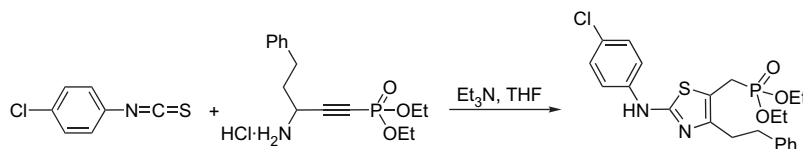
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Alessandro Contini, Emanuela Erba, Pasqualina Trimarco*


Novel one-step method for the conversion of isothiocyanates to 2-alkyl(aryl)aminothiazoles

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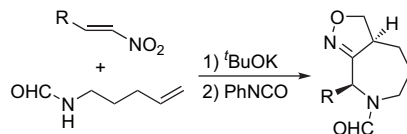
Pradip K. Sasmal*, A. Chandrasekhar, S. Sridhar, Javed Iqbal



Stereoselective synthesis of azepines through the conjugate addition of formamides to nitroalkenes and subsequent intramolecular nitrile oxide cycloaddition reaction

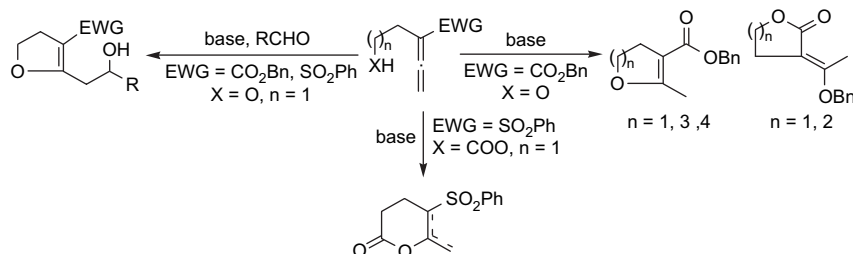
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Akio Kamimura*, Takayuki Yoshida, Hidemitsu Uno

**Investigation of oxacycle formation by base-promoted *endo-mode* ring-closing reaction of allenes**

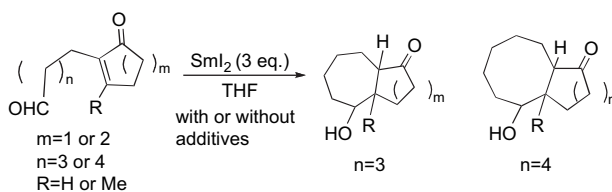
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Shinji Kitagaki, Takamasa Kawamura, Daisuke Shibata, Chisato Mukai*

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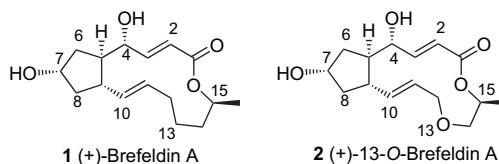
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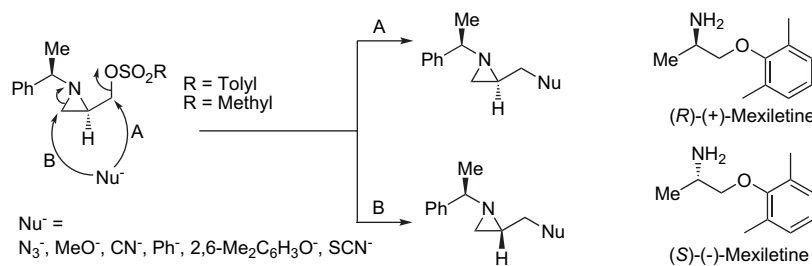
Jian Gao, Yi-Xian Huang, Yikang Wu*



Nucleophilic substitution of (sulfonyloxymethyl)aziridines: an asymmetric synthesis of both isomers of mexiletine

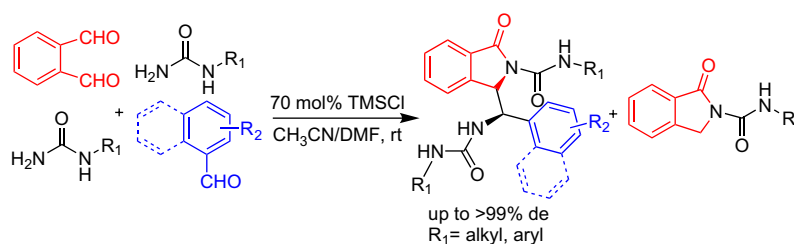
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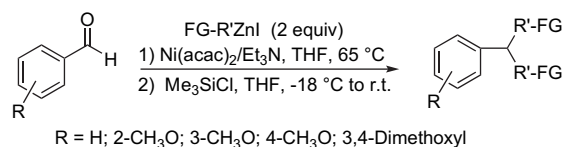
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Jie-Ping Wan, Jing Zhou, Hui Mao, Yuan-Jiang Pan*, An-Xin Wu*

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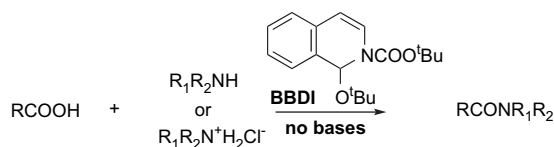
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Ying Fu, Jin-Xian Wang*, Kehu Wang, Yulai Hu

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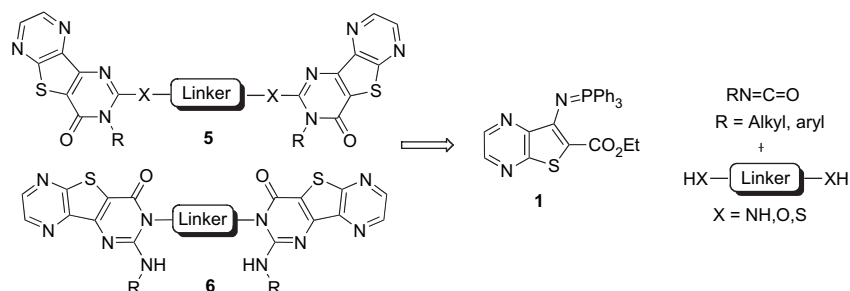
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An efficient one-pot three-step domino synthesis of substituted bis(pyrazino[2',3':4,5]thieno[3,2-d]pyrimidin-4(3H)-ones)

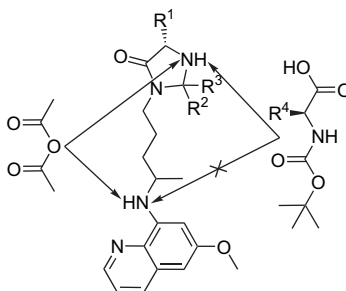
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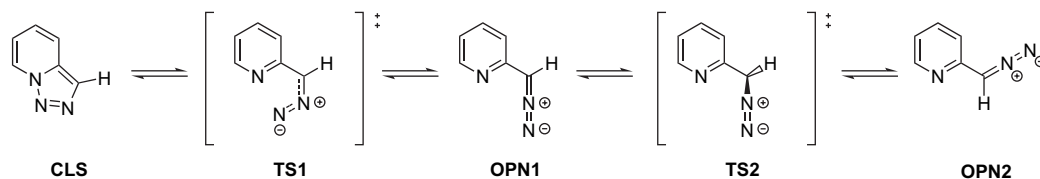
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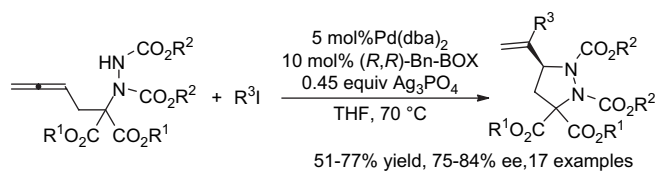
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Fernando Blanco*, Ibon Alkorta, José Elguero, Víctor Cruz, Belén Abarca, Rafael Ballesteros

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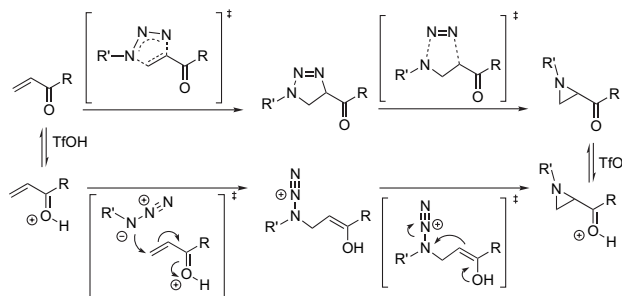
Wei Shu, Qing Yang, Guochen Jia, Shengming Ma*



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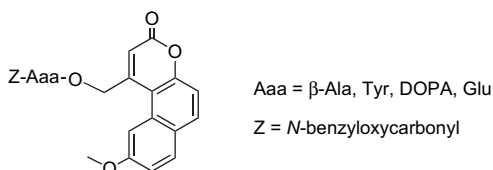
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Juan Li, Yao Fu*, Qing-Xiang Guo*

**Neurotransmitter amino acid–oxobenzo[*f*]benzopyran conjugates: synthesis and photorelease studies**

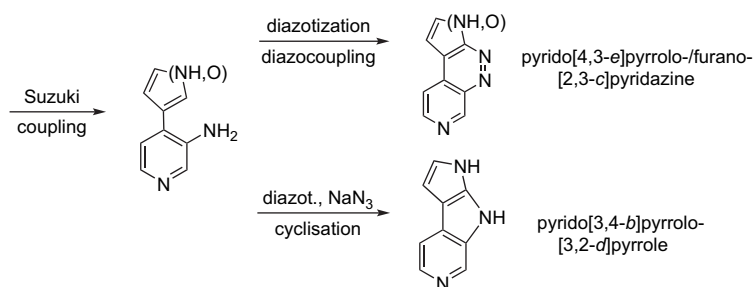
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Maria J.G. Fernandes, M. Sameiro T. Gonçalves, Susana P.G. Costa*

**Preparation of novel pyridine-fused tris-heterocycles; pyrido[4,3-*e*]pyrrolo-/pyrido[4,3-*e*]furano[2,3-*c*]pyridazines and pyrido[3,4-*b*]pyrrolo[3,2-*d*]pyrrole**

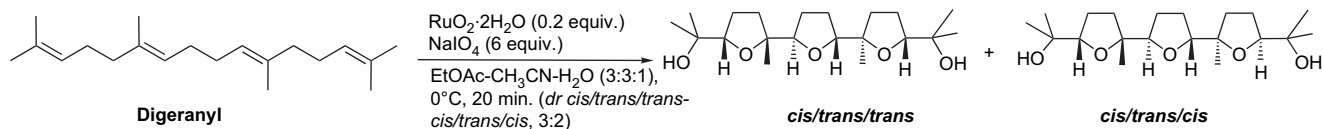
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Vegar Stockmann, Kristine L. Eriksen, Anne Fiksdahl*

**Ru₄-catalyzed oxidative polycyclization of the C₅-symmetric isoprenoid polyene digeranyl. An unexpected stereochemical outcome**

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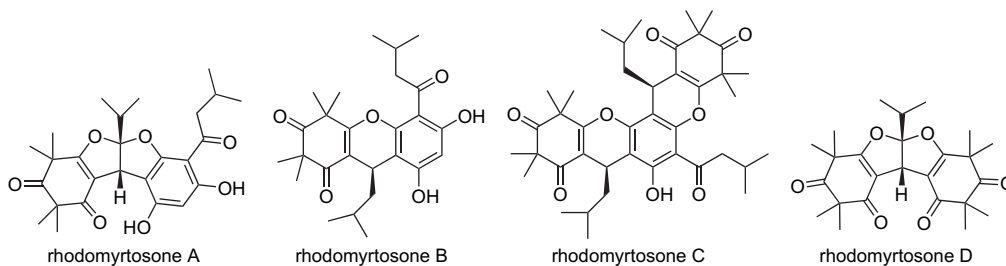
Vincenzo Piccialli*, Nicola Borbone, Giorgia Oliviero



New acylphloroglucinols from the leaves of *Rhodomyrtus tomentosa*

Asadhawut Hiranrat, Wilawan Mahabusarakam*

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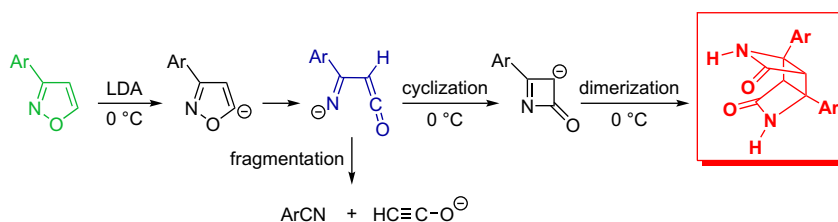


Investigation of *Rhodomyrtus tomentosa* leaves led to the isolation of four new compounds named rhodomyrtosones A–D together with six known compounds. Their structures were determined by spectroscopic data.

Effect of the aryl group substituent in the dimerization of 3-arylisoxazoles to syn 2,6-diaryl-3,7-diazatricyclo[4.2.0.0^{2,5}]octan-4,8-diones induced by LDA

Leonardo Di Nunno*, Paola Vitale, Antonio Scilimati

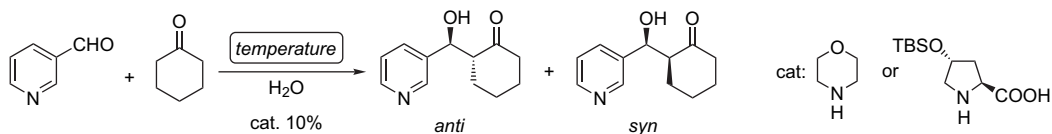
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A temperature study on a stereoselective organocatalyzed aldol reaction in water

Enrico Emer, Paola Galletti, Daria Giacomini*

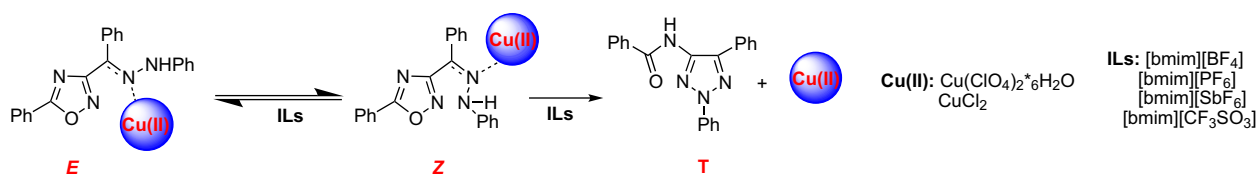
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Mononuclear rearrangement of heterocycles in ionic liquids catalyzed by copper(II) salts

Francesca D'Anna*, Vincenzo Frenna, Salvatore Marullo, Renato Noto*, Domenico Spinelli

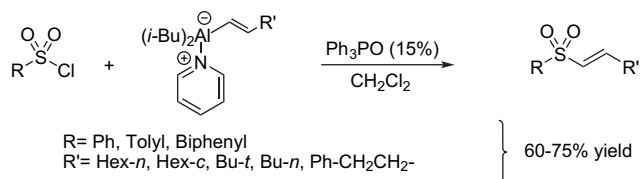
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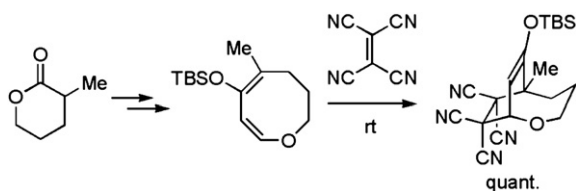
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G. Signore, C. Malanga, R. Menicagli*

**Diels–Alder reaction of eight-membered cyclic siloxydienes**

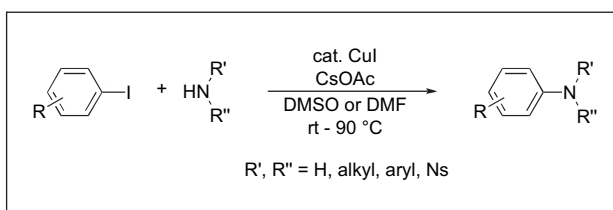
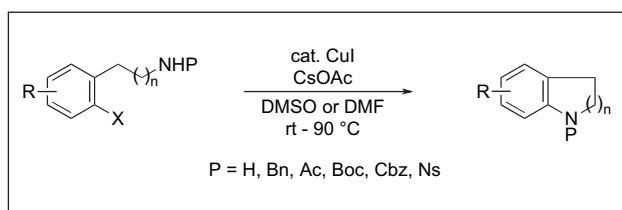
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Jun-ichi Matsuo*, Shun Sasaki, Takaya Hoshikawa, Hiroyuki Ishibashi

**A mild inter- and intramolecular amination of aryl halides with a combination of CuI and CsOAc**

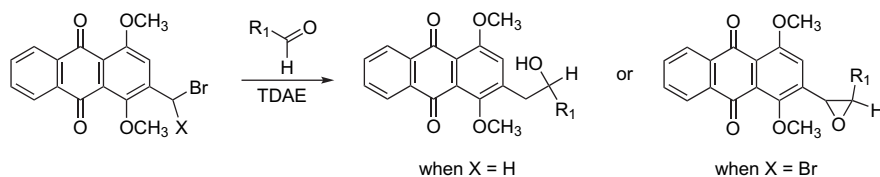
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Tetsuji Kubo, Chiharu Katoh, Ken Yamada, Kentaro Okano, Hidetoshi Tokuyama, Tohru Fukuyama*

**First TDAE approach in quinonic series: synthesis of new 2-substituted 1,4-dimethoxy-9,10-anthraquinones**

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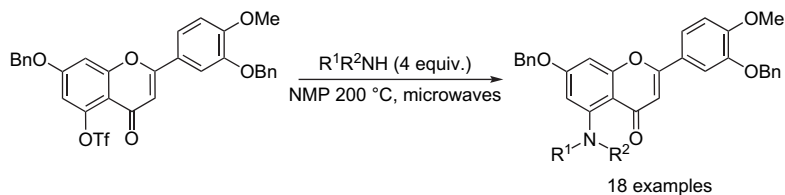
Omar Koumeri, Marc Montana, Thierry Terme, Patrice Vanelle*



A convenient microwave-assisted 5-amination of flavones

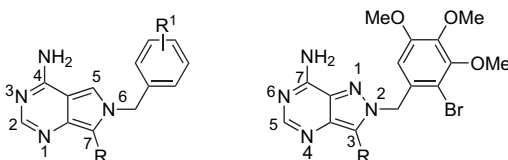
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Cédric Lecoutey, Christine Fossey, Luc Demuynck, François Lefoulon, Frédéric Fabis*, Sylvain Rault

**Practical synthesis of novel purine analogues as Hsp90 inhibitors**

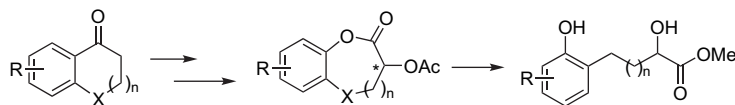
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Teresa Semeraro, Claudia Mugnaini*, Fabrizio Manetti, Serena Pasquini, Federico Corelli*

**Synthesis of chiral acetoxy lactones via the Baeyer–Villiger oxidation of cyclic aromatic acetoxy ketones**

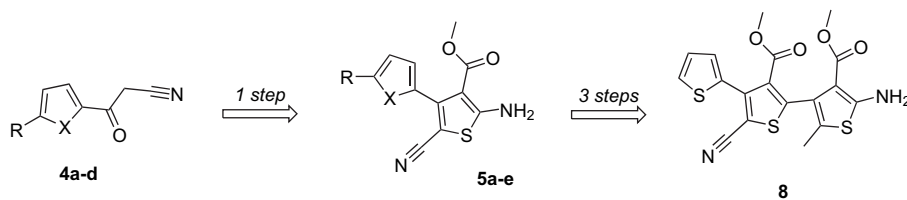
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Ayhan S. Demir*, Asuman Aybey

**Synthesis of π -conjugated thiophenes starting from substituted 3-oxopropanenitriles via Gewald reaction**

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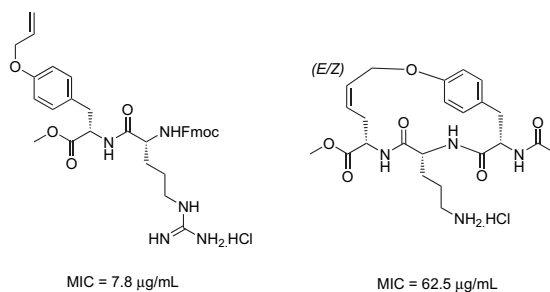
Zita Puterová, Anita Andicsová, Daniel Végh*



New cyclic peptides via ring-closing metathesis reactions and their anti-bacterial activities

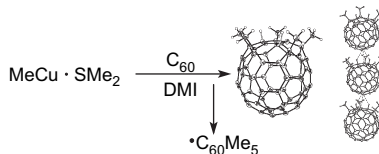
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Timothy P. Boyle, John B. Bremner*, Jonathan Coates, John Deadman, Paul A. Keller*, Stephen G. Pyne*, David I. Rhodes

**Pentamethylated derivatives of [60]fullerene: X-ray structure of the C₆₀Me₅H and ESR spectroscopy evidence for the stable radical $\dot{\text{C}}_{60}\text{Me}_5$**

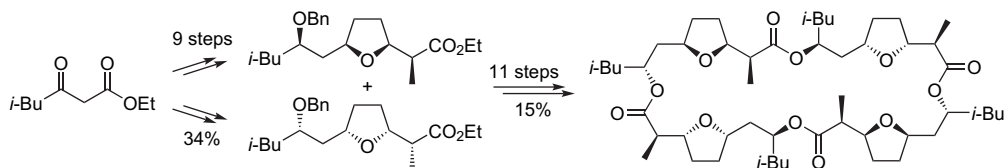
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V.V. Bashilov, F.M. Dolgushin, B.L. Tumanskii, P.V. Petrovskii, V.I. Sokolov*

**Total synthesis of a novel macrotetrolide**

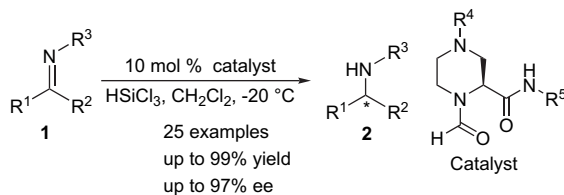
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Ludovic Coutable, Karim Adil, Christine Saluzzo*

**Development of highly enantioselective new Lewis basic N-formamide organocatalysts for hydrosilylation of imines with an unprecedented substrate profile**

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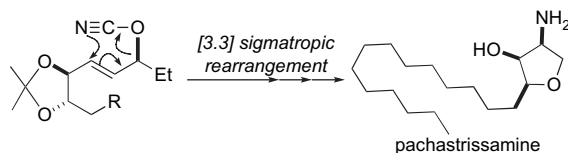
Pengcheng Wu, Zhouyu Wang, Mounuo Cheng, Li Zhou, Jian Sun*



Stereocontrolled synthesis of cytotoxic anhydroshingosine pachastrissamine by using [3.3] sigmatropic rearrangement of allyl cyanate

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Yoshiyasu Ichikawa*, Kenshi Matsunaga, Toshiya Masuda, Hiyoshizo Kotsuki, Keiji Nakano

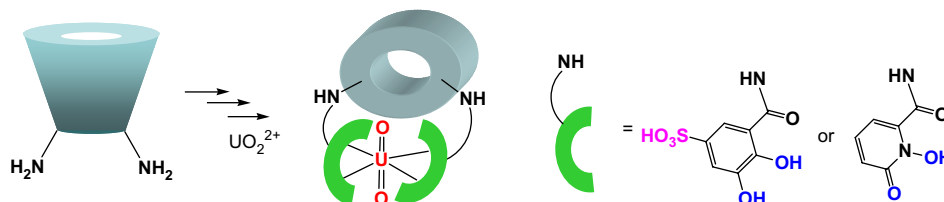


A new route for the synthesis of cytotoxic anhydroshingosine pachastrissamine has been established using [3.3] sigmatropic rearrangement of allyl cyanate.

**Sequestering agents for uranyl chelation: new calixarene ligands**

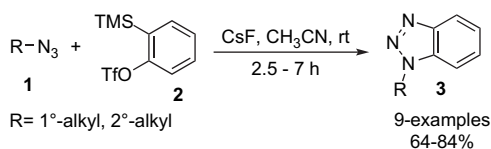
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Antoine Leydier, Delphine Lecerclé, Stéphane Pellet-Rostaing*, Alain Favre-Réguillon, Frédéric Taran, Marc Lemaire

**A smooth access to benzotriazoles via azide-benzyne cycloaddition**

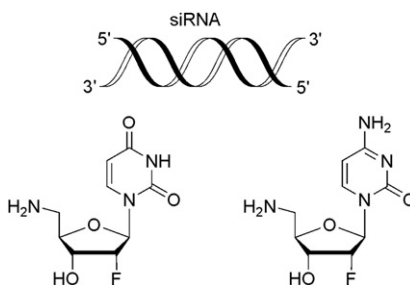
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S. Chandrasekhar*, M. Seenaiiah, Ch. Lohitha Rao, Ch. Raji Reddy

**Synthesis and properties of siRNAs containing 5'-amino-2',5'-dideoxy-2'-α-fluororibonucleosides**

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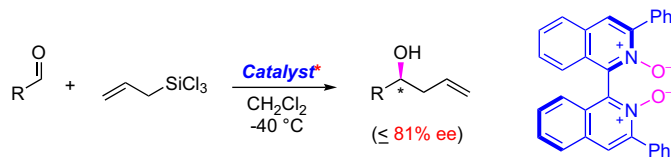
Yoshihito Ueno*, Miki Hirai, Kayo Yoshikawa, Yoshiaki Kitamura, Yoko Hirata, Kazutoshi Kiuchi, Yukio Kitade*



New pyridine N-oxides as chiral organocatalysts in the asymmetric allylation of aromatic aldehydes

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Andrei V. Malkov*, Mary-Margaret Westwater, Andrey Gutnov, Pedro Ramírez-López, Frédéric Friscourt, Aneta Kadlčíková, Jana Hodacová, Zoran Rankovic, Martin Kotora, Pavel Kočovský*

**OTHER CONTENT****Calendar**

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*Corresponding author

Supplementary data available via ScienceDirect

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dipodal sulfocatecholamide (CAMS) and hydroxypyridinone (HOPO) calixarene ligands were synthesised as potential chelates for *in vivo* uranium removal. Their binding abilities were determined in aqueous media by UV spectrophotometry under various pH conditions. *Tetrahedron* **2008**, *64*, 11319–11324.

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