

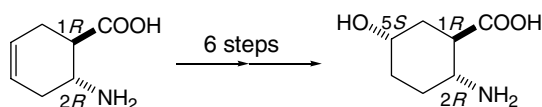
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COMMUNICATIONS

A new strategy for the regio- and stereoselective hydroxylation of *trans*-2-aminocyclohexene-carboxylic acid

pp 2855–2858

Loránd Kiss, Enikő Forró and Ferenc Fülöp*

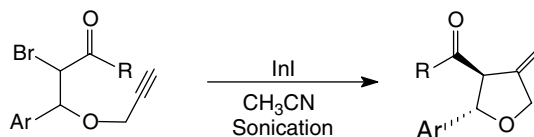


The introduction of an extra hydroxy group, via stereoselective epoxidation and regioselective opening of an oxirane ring, is presented.

Indium(I) iodide as a radical initiator: intramolecular cyclization of functionalized bromo-alkynes to substituted tetrahydrofurans

pp 2859–2861

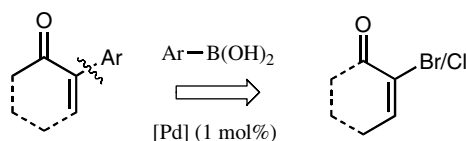
Brindaban C. Ranu* and Tanmay Mandal



The α -arylation of α -bromo- and α -chloroenones using palladium-catalysed cross-coupling

pp 2863–2866

James C. Banks, David Van Mele and Christopher G. Frost*

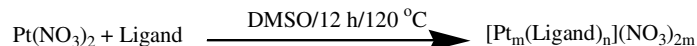


The α -arylation of α -bromo-enones and α -chloroenones was achieved by a Suzuki coupling process with electron-rich and electron-poor arylboronic acids at low catalyst loadings.



A new class of self-assembly multinuclear Pt(II) coordination cages by a modular approach
 Dillip Kumar Chand,* Ganapathy Balaji, Ramalingam Manivannan and J. Athilakshmi

pp 2867–2869

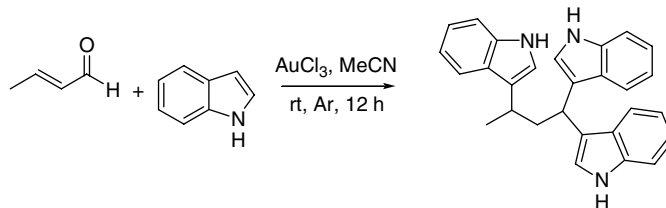


The synthesis of self-assembly multinuclear Pt(II) cages is described in DMSO solutions of the participating components.

Gold(III) chloride promoted addition of electron-rich heteroaromatic compounds to the C=C and C=O bonds of enals

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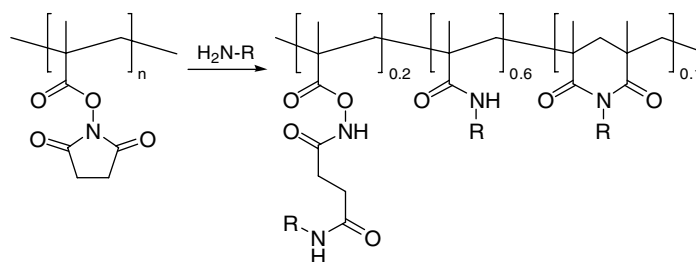
Vijay Nair,* N. Vidya and K. G. Abhilash



Dual side-reactions limit the utility of a key polymer therapeutic precursor

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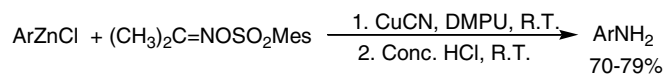
Sean R. A. Devenish, Jonathan B. Hill, John W. Blunt, Jonathan C. Morris and Murray H. G. Munro*



Preparation of primary arylamines via arylzinc chlorides in good yields

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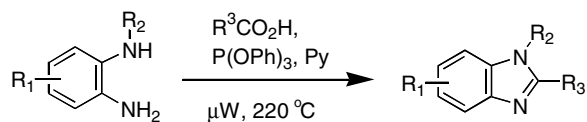
Tahir Daşkapan



Microwave-assisted one step high-throughput synthesis of benzimidazoles

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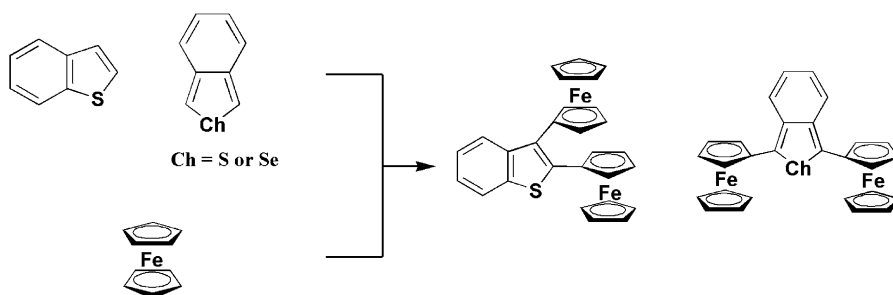
Shou-Yuan Lin, Yuko Ise, Ethan Stewart, Ji-Feng Liu,* Daniel Yohannes and Libing Yu



Synthesis, structure, and both cathodic and anodic reversible redox reactions of benzochalcogenophenes containing ferrocene units

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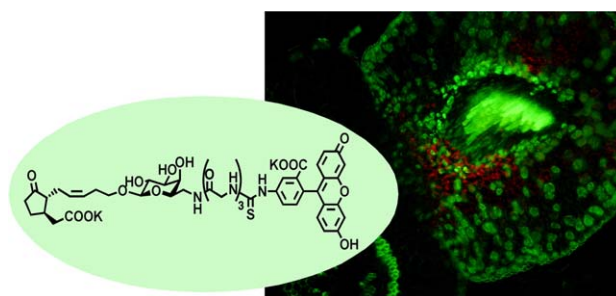
Satoshi Ogawa,* Kenji Kikuta, Hiroki Muraoka, Fumihito Saito and Ryu Sato*



Direct observation of the target cell for jasmonate-type leaf-closing factor: genus-specific binding of leaf-movement factors to the plant motor cell

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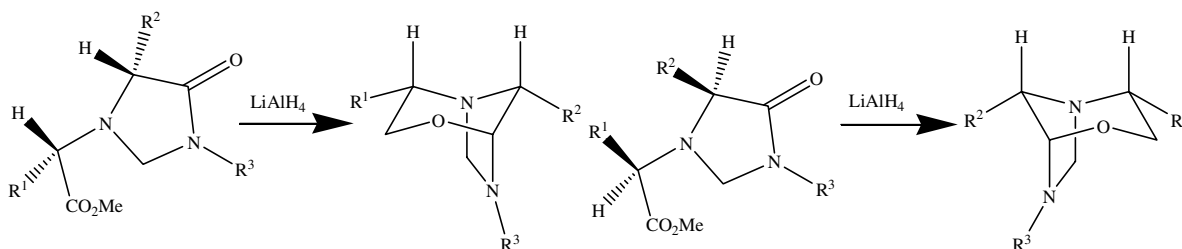
Yoko Nakamura, Hiromasa Kiyota, Tsutomu Kumagai and Minoru Ueda*



The first reductive cyclization by lithium aluminum hydride: stereospecific reductive cyclization of 1-(methoxycarbonylmethyl)imidazolidin-4-ones

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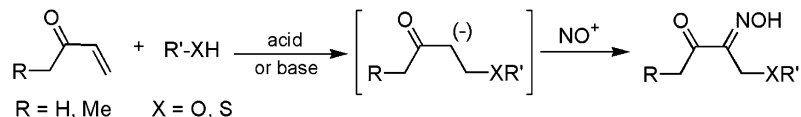
Fu-Lin Chen and Kuangsen Sung*



Synthesis of novel β -functionalized α -oximinoketones via hetero-Michael addition of alcohols and mercaptans to enones

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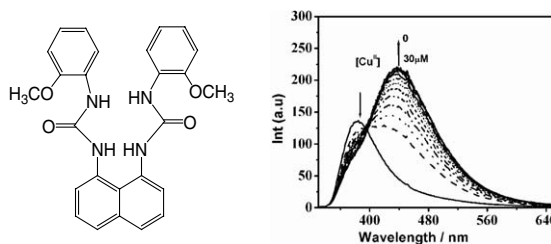
Pablo Bernal and Joaquín Tamariz*



Highly selective ratiometric fluorescent sensor for Cu(II) with two urea groups

pp 2911–2914

Hong Yang, Zhi-Qiang Liu, Zhi-Guo Zhou, En-Xian Shi, Fu-You Li,* Yu-Kou Du, Tao Yi and Chun-Hui Huang*

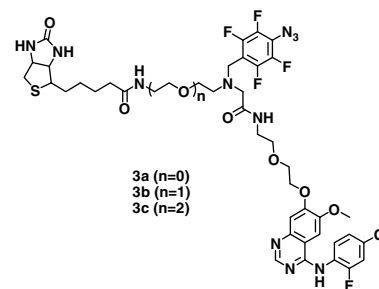


Design and synthesis of novel photoaffinity reagents for labeling VEGF receptor tyrosine kinases

pp 2915–2919

Sun-Young Han, Seo Hyun Choi, Myung Hee Kim, Woo Ghil Lee, Seong Hwan Kim, Yong Ki Min* and Bum Tae Kim

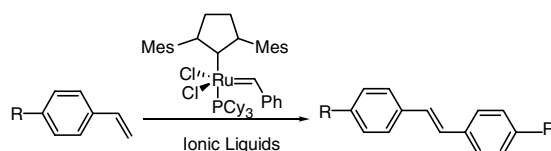
Novel biotin-tagged photoaffinity probes (**3a–c**) based on a trifunctional tertiary amine scaffold were synthesized and evaluated as vascular endothelial growth factor receptor-2 (VEGFR-2) inhibitors.



Olefin self-cross-metathesis catalyzed by the second-generation Grubbs carbene complex in room temperature ionic liquids

pp 2921–2924

Xiong Ding, Xianhai Lv, Bin Hui, Zhijuan Chen, Minliang Xiao, Baoshou Guo and Wenming Tang*



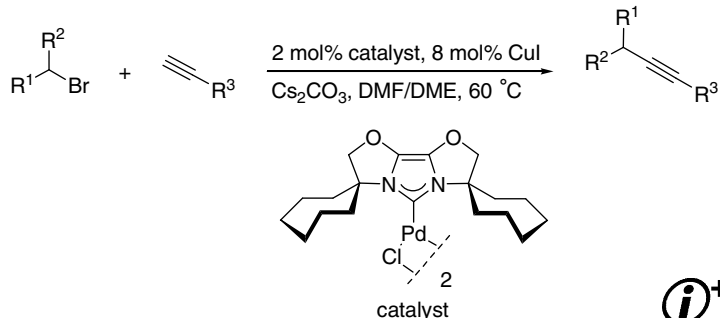
Olefin self-cross-metathesis (CM) reactions catalyzed by the second-generation Grubbs carbene complex have been compared in dichloromethane and two kinds of selected room temperature ionic liquids (RTILs). Both the catalyst and the ionic liquids could be simply recovered and reused for at least four cycles just with a little drop in activity. Significant enhancements in the reactivity, yield and reaction rate were achieved.

The first palladium-catalyzed Sonogashira coupling of unactivated secondary alkyl bromides

pp 2925–2928

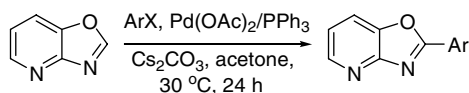
Gereon Altenhoff, Sebastian Würtz and Frank Glorius*

A palladium-carbene catalyzed Sonogashira coupling of unactivated alkyl bromides with alkyl substituted alkynes is reported.

**Unprecedentedly mild direct Pd-catalyzed arylation of oxazolo[4,5-*b*]pyridine**

pp 2929–2932

Fedor A. Zhuravlev

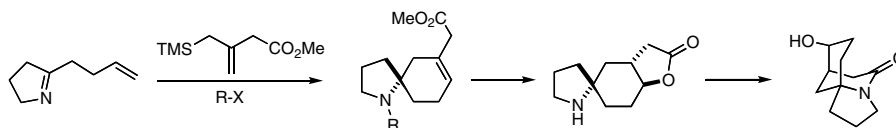


Pd-catalyzed C-2 arylation of oxazolo[4,5-*b*]pyridine proceeds efficiently at 30 °C and tolerates a variety of aryl halides, including derivatized amino acids for which no racemization was observed during the reaction. Experimental evidence for facile deprotonation of oxazolo[4,5-*b*]pyridine under the reaction conditions is presented and the nature of the anionic intermediates is computationally examined.

**Synthetic studies toward the immunosuppressant FR901483. Facile construction of the azatricyclic skeleton**

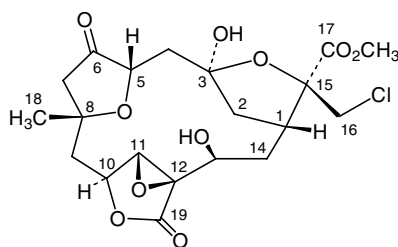
pp 2933–2936

Suvi T. M. Simila, Andreas Reichelt and Stephen F. Martin*

**Sinularectin, a new diterpenoid from the soft coral *Simularia erecta***

pp 2937–2939

Amira Rudi, Guy Shmul, Yehuda Benayahu and Yoel Kashman*



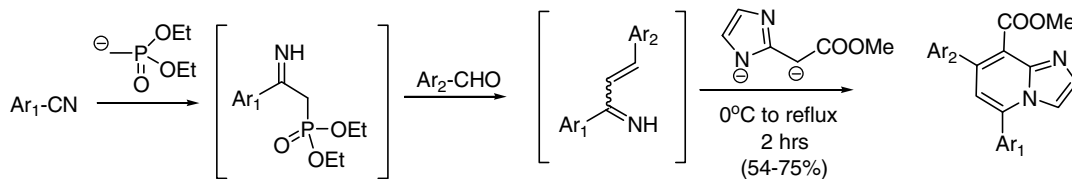
A new rearranged norcembrane, sinularectin, was isolated from the soft coral *Simularia erecta* collected in Kenya.



A one-pot synthesis of polysubstituted imidazo[1,2-*a*]pyridines

pp 2941–2944

Alexander S. Kiselyov

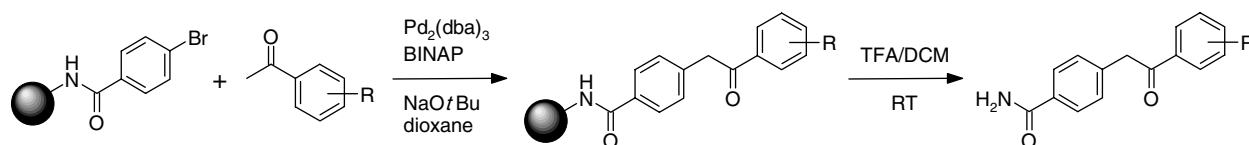


A series of 5,7,8-polysubstituted imidazo[1,2-*a*]pyridines were synthesized regioselectively from in situ generated α,β -unsaturated imines and dianions derived from methyl azolyl acetates in a one-pot procedure. The targeted molecules were conveniently isolated in analytically pure form (ca. 50–70% yields) by trituration of the concentrated reaction mixtures with cold ether.

Palladium-catalyzed α -arylation of ketones on solid support: scope and limitations

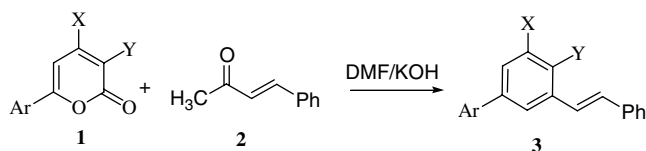
pp 2945–2948

Marcus Limbeck, Heinrich Wamhoff, Thomas Rölle and Nils Griebenow*

**A non-catalytic regioselective approach to the synthesis of (*E*)-stilbenes from suitably functionalized 2*H*-pyran-2-ones**

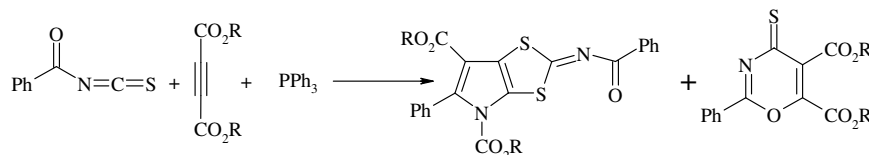
pp 2949–2952

Ramendra Pratap, Rishi Kumar, P. R. Maulik and Vishnu Ji Ram*

**Synthesis of 4*H*-[1,3]dithiolo[4,5-*b*]pyrroles through the reaction of benzoyl isothiocyanate and dialkyl acetylenedicarboxylates in the presence of PPh_3**

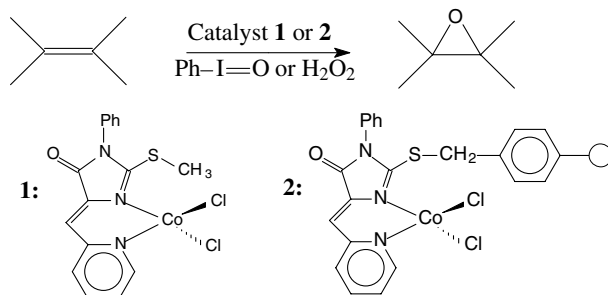
pp 2953–2956

Issa Yavari* and Hoorieh Djahaniani



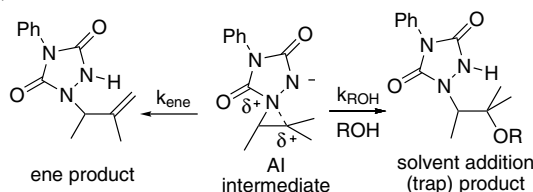
A novel catalyst for alkene epoxidation: a polymer-supported Co^{II}LCl₂ {L = 2-(alkylthio)-3-phenyl-5-(pyridine-2-ylmethylene)-3,5-dihydro-4H-imidazole-4-one} complex pp 2957–2959

Elena K. Beloglazkina, Alexander G. Majouga,* Renata B. Romashkina and Nikolay V. Zyk



Thermodynamic parameters $\Delta\Delta H^\ddagger$ and $\Delta\Delta S^\ddagger$ as probes for the transition state in the reaction of *N*-phenyltriazolinedione with alkenes in nucleophilic solvents pp 2961–2964

Zois Syrgiannis and Yiannis Elemes*

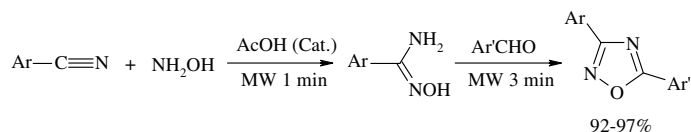


$$\ln k = \ln(k_{\text{ene}}/k_{\text{ROH}}) = \ln\{\text{[ene]}/\text{[trap]}\} = -\Delta\Delta G^\ddagger/RT = (-\Delta\Delta H^\ddagger/R)1/T + \Delta\Delta S^\ddagger/R$$

Thermodynamic parameters were measured for the formation of adducts in the reaction of triazolinedione with alkenes in nucleophilic solvents.

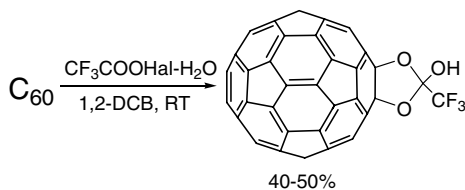
Microwave-assisted efficient, one-pot, three-component synthesis of 3,5-disubstituted 1,2,4-oxadiazoles pp 2965–2967

Mehdi Adib,* Amin Haghghat Jahromi, Narjes Tavoosi, Mohammad Mahdavi and Hamid Reza Bijanzadeh



Reaction of [60]fullerene with CF₃COOHal affords an unusual 1,3-dioxolano-[60]fullerene pp 2969–2972

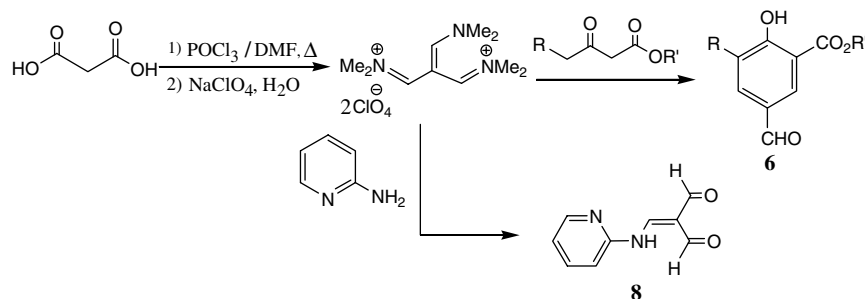
Pavel A. Troshin,* Alexander S. Peregudov and Rimma N. Lyubovskaya



An efficient preparation and some reactions of 2-dimethylaminomethylene-1,3-bis(dimethylimonio)-propane diperchlorate

pp 2973–2975

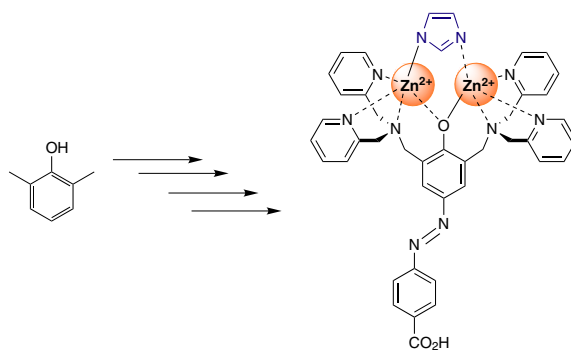
Khiari Jameleddine, Hadj Ayed Med Adnen and Ben Hassine Béchir*



Development of Dpa-based imidazole zinc anion receptors

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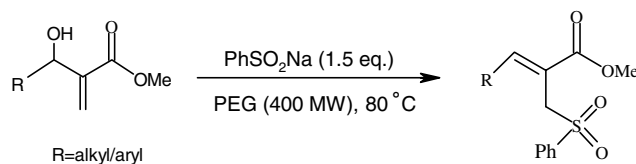
Taina M. Salo, Juho Helaja and Ari M. P. Koskinen*



Hydroxy-assisted catalyst-free Michael addition-dehydroxylation of Baylis–Hillman adducts in poly(ethylene glycol)

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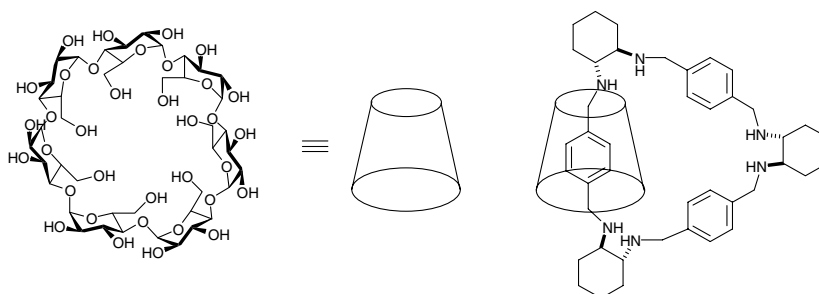
S. Chandrasekhar,* B. Saritha, V. Jagadeshwar, Ch. Narsihmulu, Dolly Vijay, G. Dattatreya Sarma and B. Jagadeesh



Synthesis of diastereomeric triaglamine- β -cyclodextrin-[2]-catenanes

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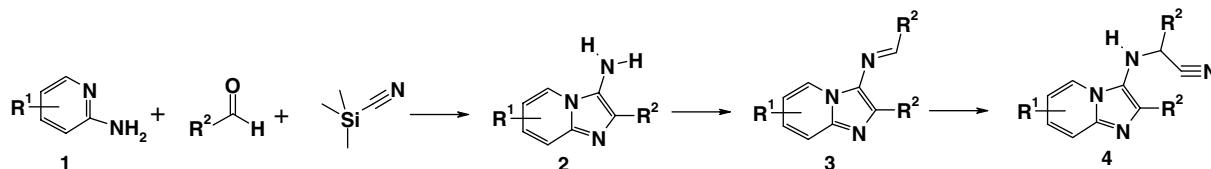
Nikolai Kuhnert* and Bing Tang



Sequential Ugi/Strecker reactions via microwave assisted organic synthesis: novel
3-center-4-component and 3-center-5-component multi-component reactions

pp 2989–2991

Thierry Masquelin, Hai Bui, Bob Brickley, Gregory Stephenson, John Schwerkoske and
Christopher Hulme*



*Corresponding author

Ⓜ⁺ Supplementary data available via ScienceDirect

COVER

β -D-Glucopyranosyl 12-hydroxyjasmonate (**1**) is a leaf-closing substance of *Albizzia juribrissin* Durazz. The fluorescence study using fluorescence-labeled **1** revealed that **1** bind to some receptor on the motor cell of *Albizza* plants to induce their leaf-closure. It was strongly suggested that a receptor that is involved in nyctinasty is common among the genus *Albizzia*. *Tetrahedron Letters* **2006**, *47*, 2893–2897.

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