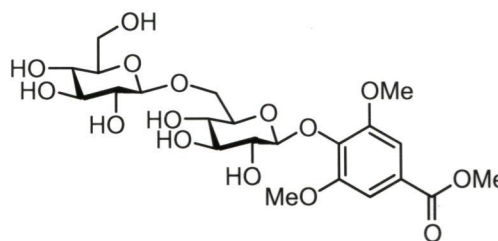


Tetrahedron Letters

THE INTERNATIONAL JOURNAL FOR THE RAPID PUBLICATION OF ALL
PRELIMINARY COMMUNICATIONS IN ORGANIC CHEMISTRY

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from mānuka honey**



leptosin

**Harry R. M. Aitken, Manuel Johannes,
Kerry M. Loomes, Margaret A. Brimble**

Tetrahedron Letters Vol. 54, Issue 50, 2013

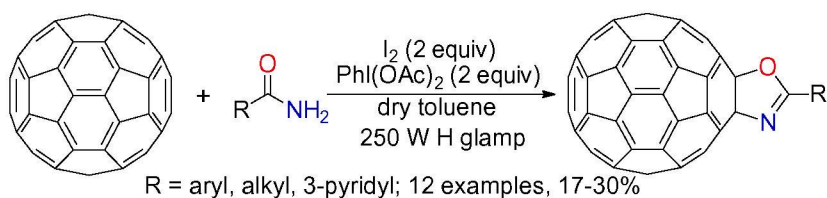
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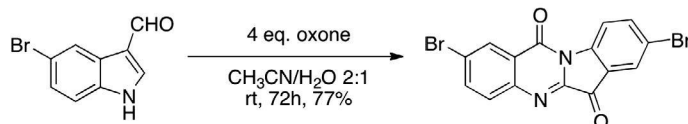
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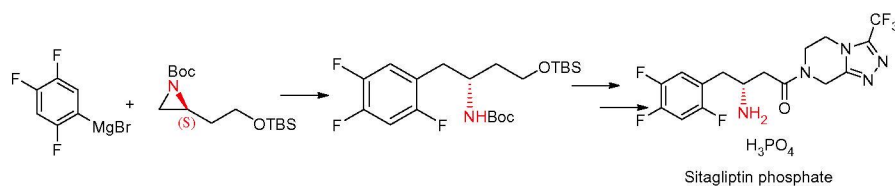
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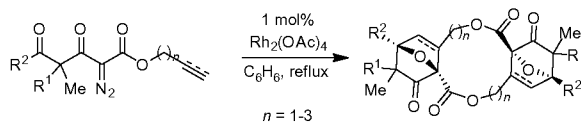
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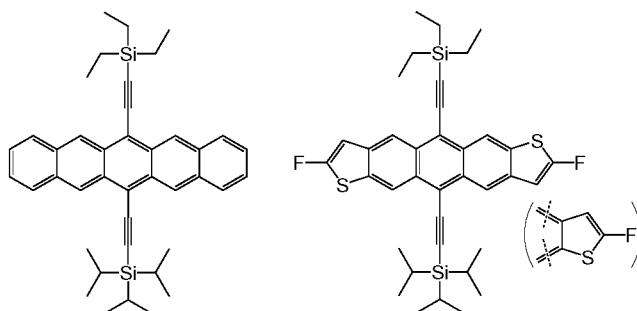
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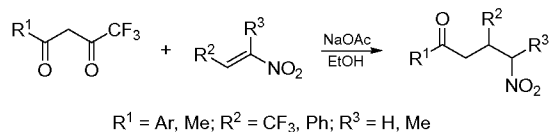


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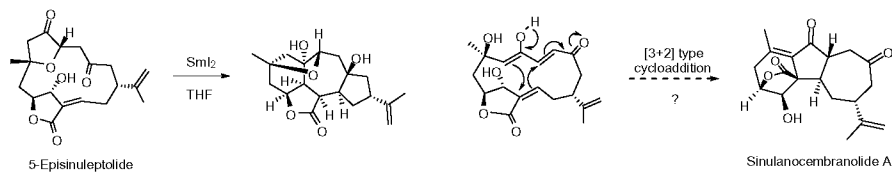
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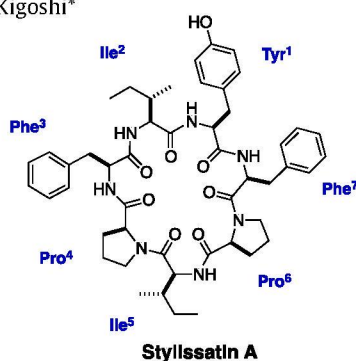
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Styllissatin A, a cyclic peptide that inhibits nitric oxide production from the marine sponge *Stylissa massa*

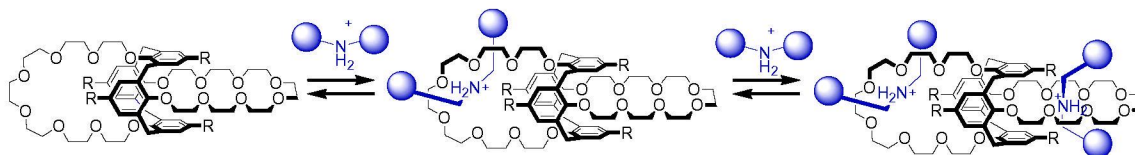
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**Formation of pseudo[3]rotaxanes containing calix-bis-crowns and secondary ammonium ions and their thermodynamic stabilities in a solution: preorganization by second macrocycle and nonallosteric behavior exhibited by large crown cavities**

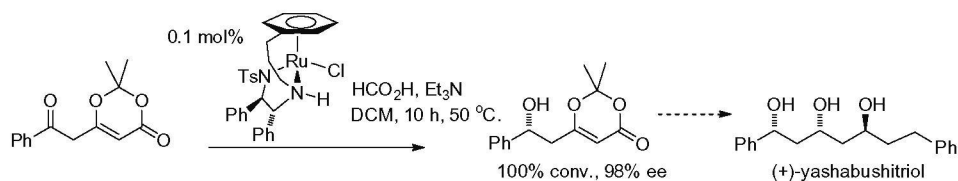
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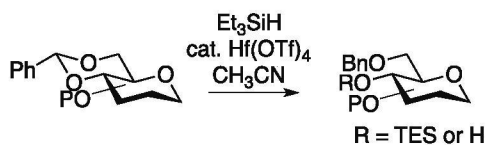
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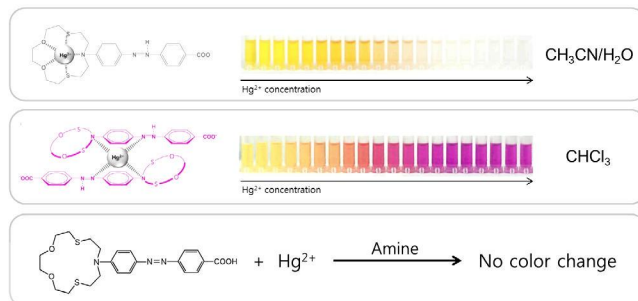
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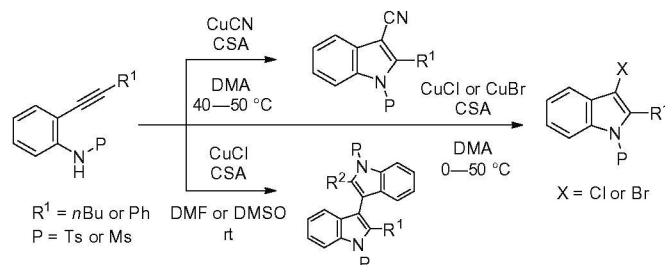
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Copper-catalyzed tandem intramolecular cyclization/coupling reaction: solvent effect on reaction pathway

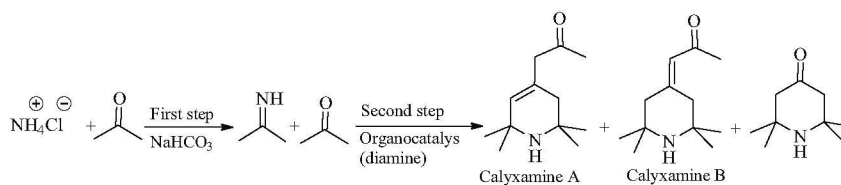
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Two-step synthesis and biological evaluation of calyxamines A and B

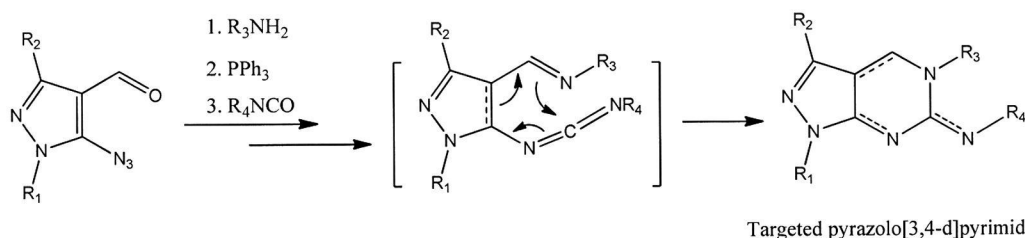
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Synthesis of 1H-pyrazolo[3,4-d]pyrimidines via solid-phase Aza-Wittig/electrocyclic ring closure reaction

pp 6855–6857

Subo Liao*, Li Xing, Bruce Hamper

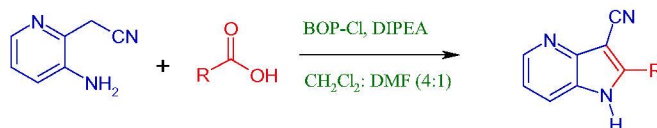


An elegant solid-phase synthetic route of pyrazolo[3,4-d]pyrimidine derivatives via Aza-Wittig/electrocyclic ring closure reaction was developed and validated. By manipulating the R group from the primary amine building block, one can easily prepare the library of pyrazolo[3,4-d]pyrimidine derivatives.

Facile access to 3-cyano-4-azaindoles via a modified Madelung indole synthesis

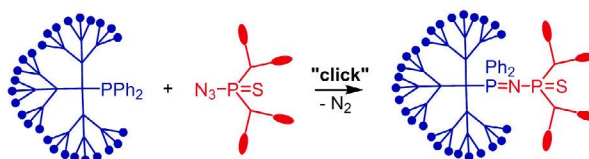
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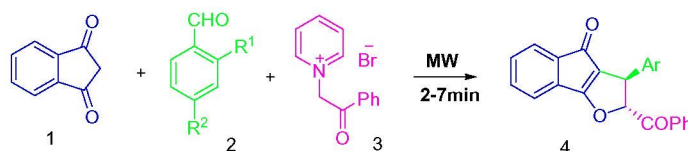
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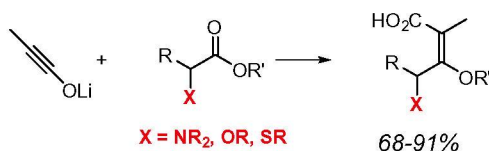
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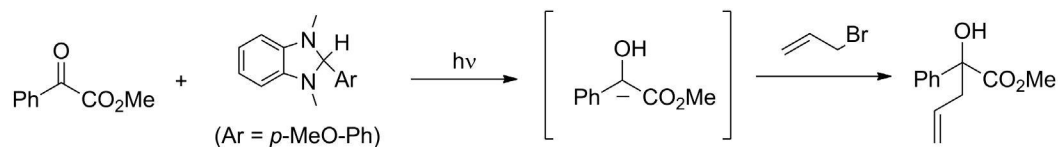
Satoshi Umezu, Mitsuru Shindo*



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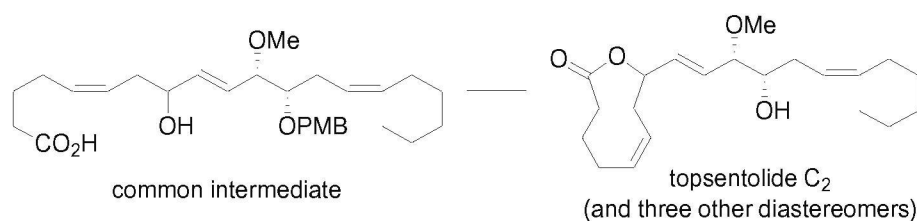
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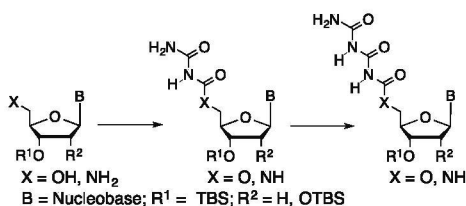
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Ryo Towada, Yusuke Kurashina, Shigefumi Kuwahara*

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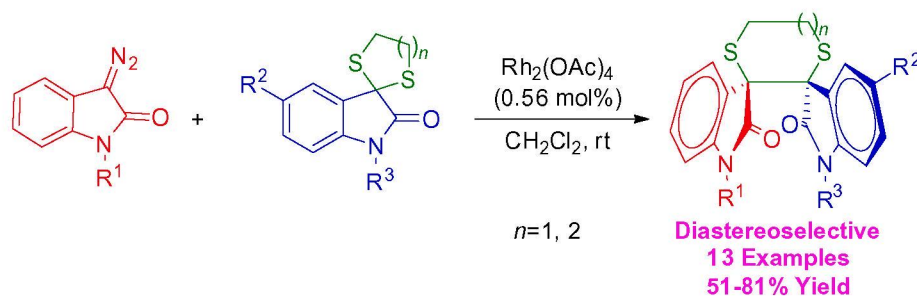
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**Highly diastereoselective synthesis of dispiro[1,4-dithiane/dithiepane]bisoxindoles via Stevens rearrangement**

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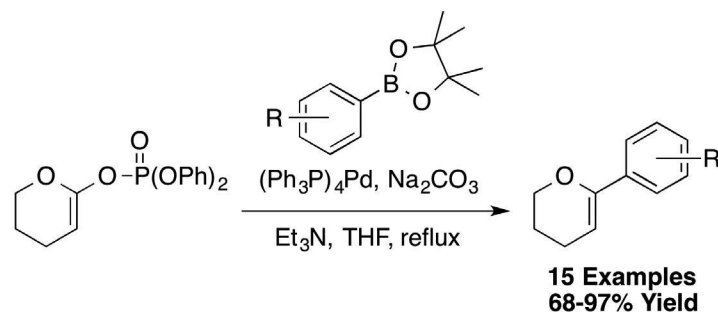
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Preparation of C-arylglycols via Suzuki–Miyaura cross-coupling of dihydropyranylphosphates

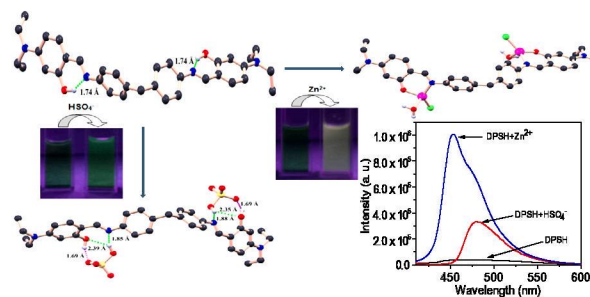
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**Colorimetric as well as dual switching fluorescence ‘turn on’ chemosensors for exclusive recognition of Zn²⁺ and HSO₄⁻ in aqueous solution: experimental and theoretical studies**

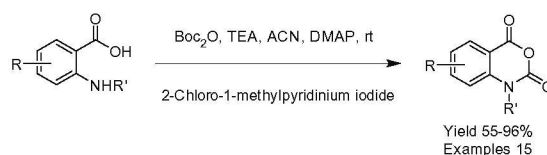
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**A phosgene and peroxide-free one-pot tandem synthesis of isoatoic anhydrides involving anthranilic acid, Boc anhydride, and 2-chloro-N-methyl pyridinium iodide**

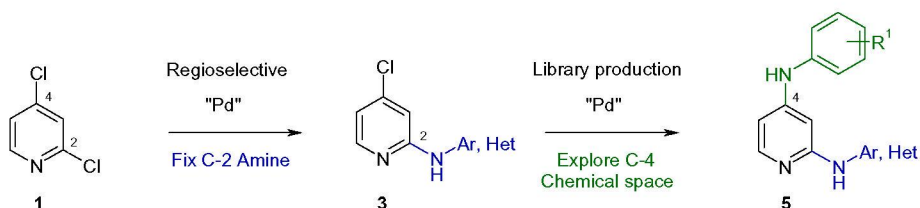
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Chhaya Verma, Somesh Sharma, Arunendra Pathak*

**Highly regioselective Buchwald–Hartwig amination at C-2 of 2,4-dichloropyridine enabling a novel approach to 2,4-bisanilinopyridine (BAPyd) libraries**

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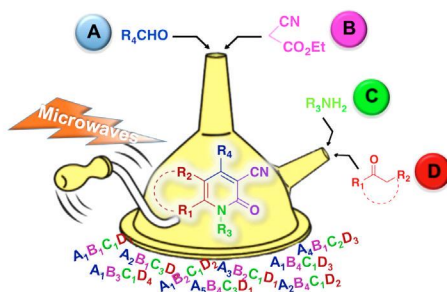
Rebecca J. Burton, Mandy L. Crowther, Neal J. Fazakerley, Shaun M. Fillery, Barry M. Hayter, Jason G. Kettle, Caroline A. McMillan, Paula Perkins, Peter Robins, Peter M. Smith, Emma J. Williams*, Gail L. Wrigley



A one-pot two-step microwave-assisted synthesis of N1-substituted 5,6-ring-fused 2-pyridones

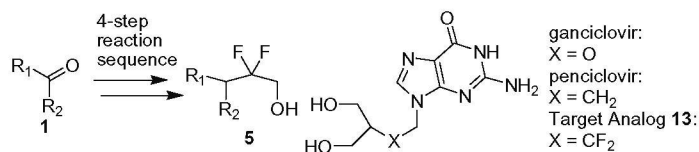
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Marco Radi*, Gian Paolo Vallerini, Alessia Petrelli, Paolo Vincetti, Gabriele Costantino

**A versatile method to prepare difluorinated primary alcohols and its application to the syntheses of novel acyclic fluorinated nucleosides**

pp 6909–6911

Bruno Tse*

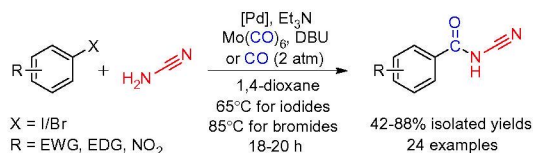


A four-step reaction sequence, converting general ketone precursor **1** to difluoro primary alcohol **5**, has been developed. This synthetic method has been successfully applied to prepare compound **13** as the difluoro-analog of the antiviral drugs ganciclovir and penciclovir.

Palladium-catalyzed carbonylative synthesis of N-cyanobenzamides from aryl iodides/bromides and cyanamide

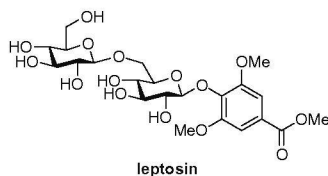
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Rajendra S. Mane, Patrik Nordeman, Luke R. Odell, Mats Larhed*

**Synthesis of leptosin, a glycoside isolated from mānuka honey**

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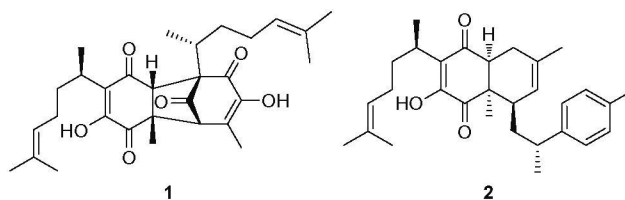
Harry R. M. Aitken, Manuel Johannes, Kerry M. Loomes, Margaret A. Brimble*



Perezoperezone and curcuperezone: bisabolane dimers from the soft coral *Pseudopterogorgia rigida*

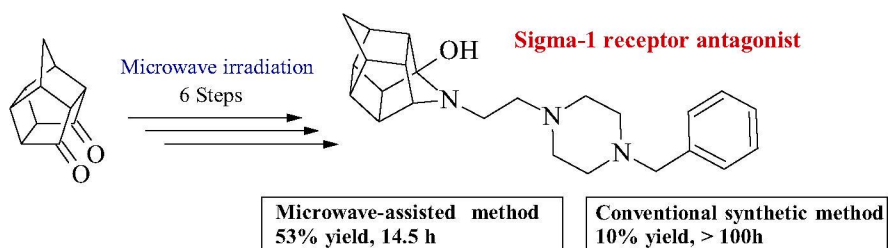
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Panagiota Georgantea, Efstathia Ioannou, Constantinos Vagias, Vassilios Roussis*

**Microwave-assisted methods for the synthesis of pentacyclo[5.4.0.0^{2,6}.0^{3,10}.0^{5,9}]undecylamines**

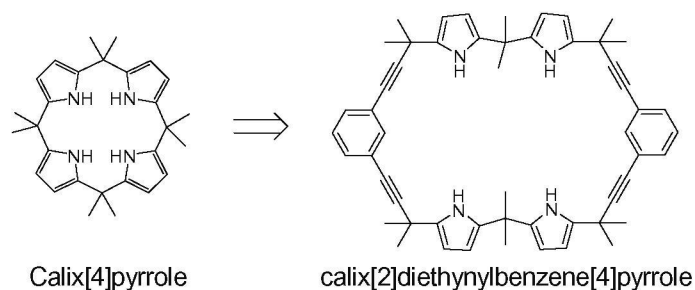
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Jacques Joubert, Rajan Sharma, Martin Onani, Sarel F. Malan*

**Synthesis and anion binding properties of *m*-diethynylbenzene expanded calix[4]pyrrole**

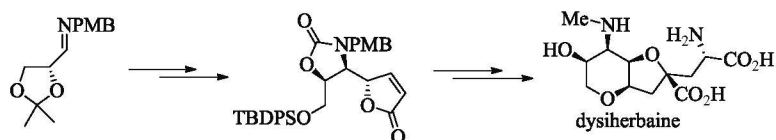
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Jung-Hwa Choi, Dong-Gyu Cho*

**Formal synthesis of dysiherbaine**

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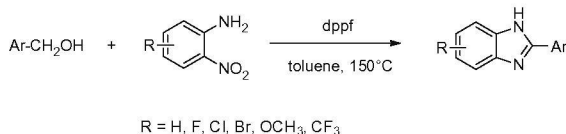
Maddimsetti Venkateswara Rao, Annavareddi Naresh, Gudipati Saketh, Batchu Venkateswara Rao*



Iron-catalyzed one-pot synthesis of benzimidazoles from 2-nitroanilines and benzylic alcohols

pp 6934–6936

Gang Li, Jin Wang, Baokun Yuan, Dongfeng Zhang, Ziyun Lin, Peng Li, Haihong Huang*

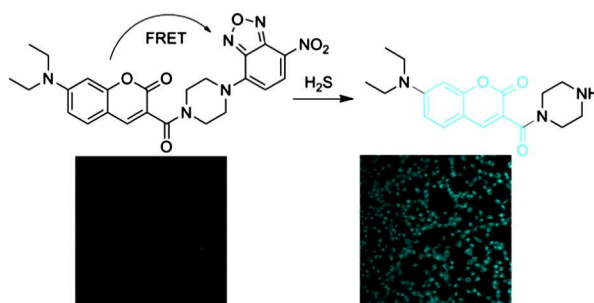


We herein report a new efficient method for the synthesis of benzimidazoles with hydrogen transfer procedure. This method involves alcohol oxidation, nitro reduction, condensation and dehydrogenation in a cascade.

**A FRET-based fluorescent probe for imaging H₂S in living cells**

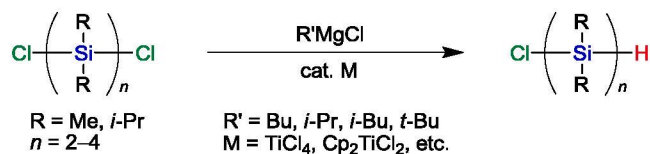
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Chao Wei, Lv Wei, Zhen Xi, Long Yi*

**Selective catalytic monoreduction of dichlorosilanes with Grignard reagents**

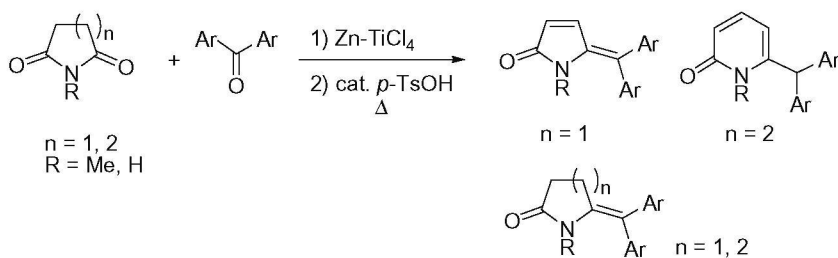
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Ken-ichiro Kanno*, Yuka Niwayama, Soichiro Kyushin*

**Reductive coupling of aliphatic cyclic imides with benzophenones by low-valent titanium**

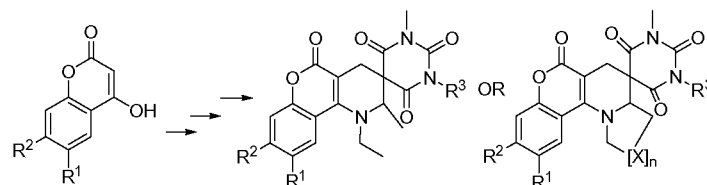
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Naoki Kise*, Syn Kinameri, Toshihiko Sakurai



Synthesis of some novel spiro substituted pyrido[2,3-c]coumarins by exploring ‘tertiary amino effect’ reaction strategy pp 6949–6951

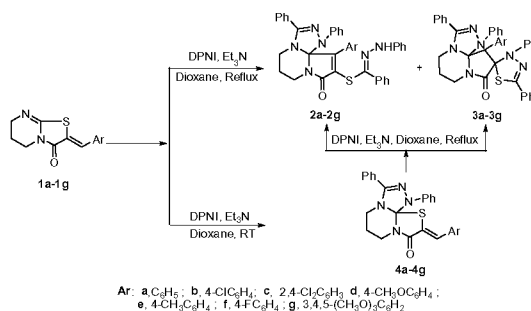
Pallabi Borah*, Pulak J. Bhuyan*



Unexpected nitrilimine cycloaddition of thiazolo[3,2-a]pyrimidine derivatives

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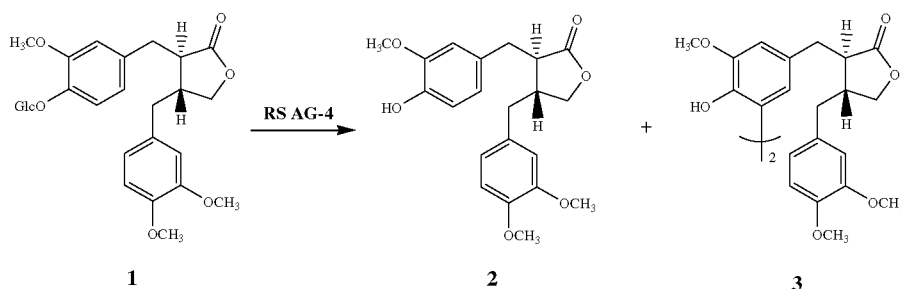
Bin Liu, Xiao-Fang Li*, Hao-Chong Liu, Xian-Yong Yu*



Biopreparation of an anti-inflammatory agent, diartcigenin, from arctiin isolated from *Arctium lappa* by *Rhizoctonia solani* AG-4

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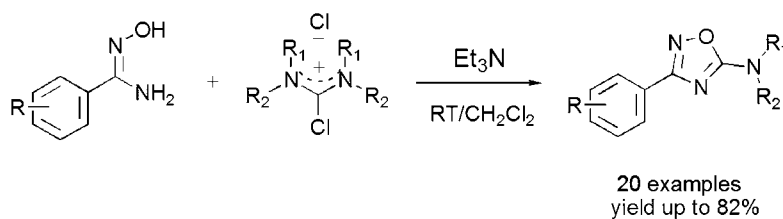
Ping-Chung Kuo*, Zi-Yu Chen, Miao-Fan Chen



Condensation of Vilsmeier salts, derived from tetraalkylureas, with amidoximes: a novel approach to access *N,N*-dialkyl-1,2,4-oxadiazol-5-amines

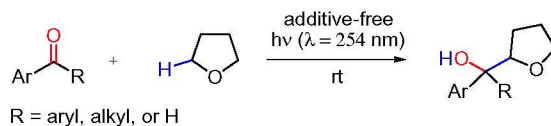
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Dongshan Su, Haifeng Duan, Zhonglin Wei, Jungang Cao, Dapeng Liang, Yingjie Lin*



Synthesis of α -di or trisubstituted (tetrahydrofuran-2-yl)methanols via photoinduced additive-free intermolecular addition of THF to aromatic aldehydes or ketones pp 6964–6966

Xinqi Hao, Chaoli Liu, Chenli Liu, Yiyong Chen, Xuemei Zhao, Maoping Song*, Rong Qian, Hao Guo*

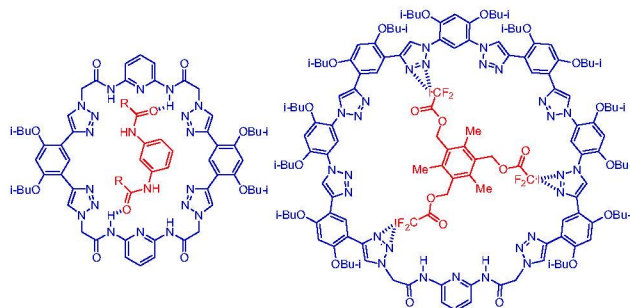


THF is found to react with aromatic aldehydes or ketones highly chemoselectively under the irradiation of ultraviolet without any additives, which provides a new protocol to access α -di or trisubstituted (tetrahydrofuran-2-yl)methanols. The scope of this reaction is well studied.



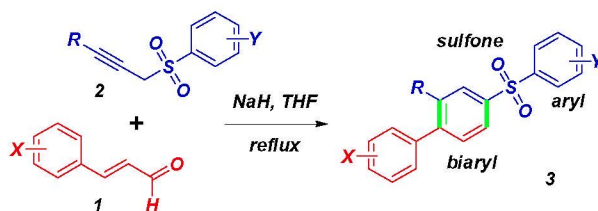
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Dong-Yun Wang, Li-Yan You, Ji-Liang Wang, Hui Wang, Dan-Wei Zhang*, Zhan-Ting Li*



One-pot synthesis of aryl biaryl sulfones pp 6971–6974

Meng-Yang Chang*, Ming-Hao Wu, Chieh-Kai Chan, Shin-Ying Lin



*Corresponding author

Supplementary data available via ScienceDirect

COVER

Synthesis of leptosin, a glycoside isolated from mānuka honey

Tetrahedron Letters **2013**, 54, 6916–6919.

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