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COMMUNICATIONS

- Mechanistic study on benzylic oxidations catalyzed by bismuth(III) salts: X-ray structures of two bismuth–picolinate complexes** pp 3709–3712

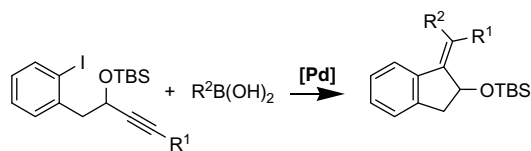
Emmanuel Callens, Andrew J. Burton, Andrew J. P. White, Anthony G. M. Barrett *

Further studies on benzylic oxidation reactions catalyzed using bismuth(III) salts are consistent with the reaction proceeding via a radical mechanism. Additionally, X-ray structures of two bismuth–picolinate complexes, which may be involved in the catalytic cycle, are reported.



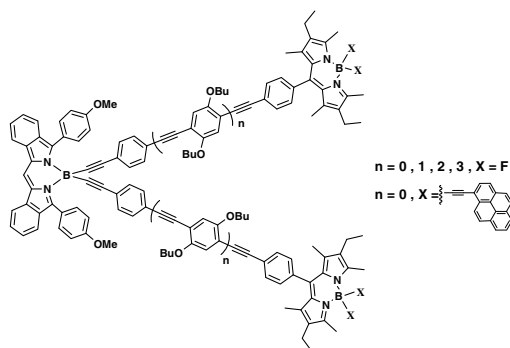
- Synthesis of 1-arylidene-2,3-dihydro-1*H*-inden-2-ols through a tandem carbopalladation/Suzuki–Miyaura sequence** pp 3713–3715

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- Synthesis of multi-branched dipyrromethene dyes with soluble diethynylphenyl links** pp 3716–3721

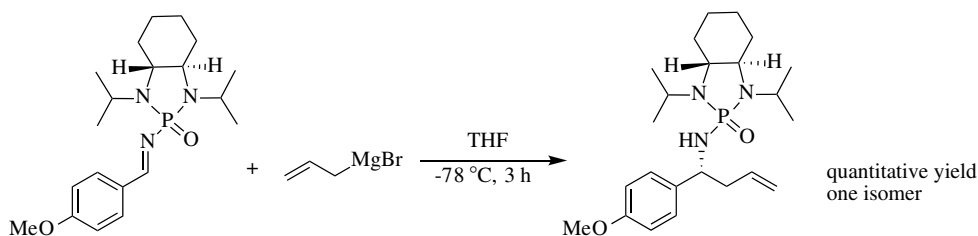
Alexandre Haefele, Gilles Ulrich, Pascal Retailleau, Raymond Ziessel *



Chiral *N*-phosphonyl imine chemistry: asymmetric 1,2-additions of allylmagnesium bromides

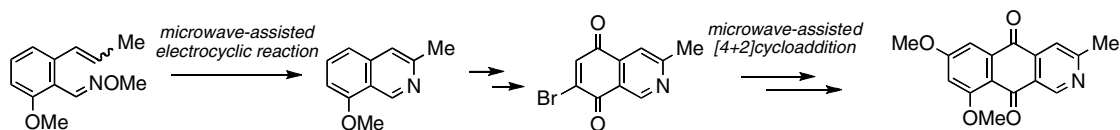
pp 3722–3724

Adishesu Kattuboina, Parminder Kaur, Thao Nguyen, Guigen Li *

**Novel synthesis of the 2-azaanthraquinone alkaloid, scorpinone, based on two microwave-assisted pericyclic reactions**

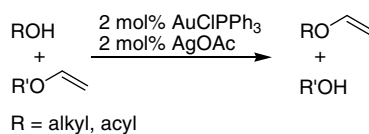
pp 3725–3728

Tominari Choshi *, Tepei Kumemura, Junko Nobuhiro, Satoshi Hibino *

**Au(I) complexes-catalyzed transfer vinylation of alcohols and carboxylic acids**

pp 3729–3732

Aki Nakamura, Makoto Tokunaga *

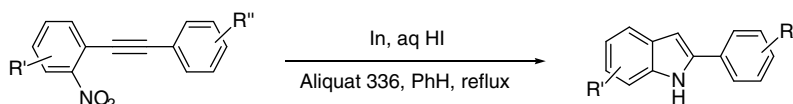


Au(I) complexes-catalyzed transfer vinylation of alcohols and carboxylic acids has been achieved.

Indium-III-mediated one-pot reaction of 1-(2-arylethynyl)-2-nitroarenes to 2-arylindoles

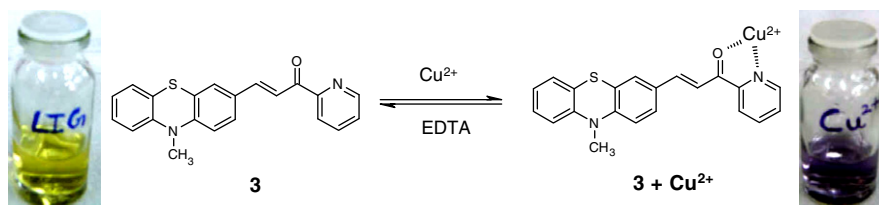
pp 3733–3738

Ji Sook Kim, Joon Hee Han, Jung June Lee, Young Moo Jun, Byung Min Lee, Byeong Hyo Kim *



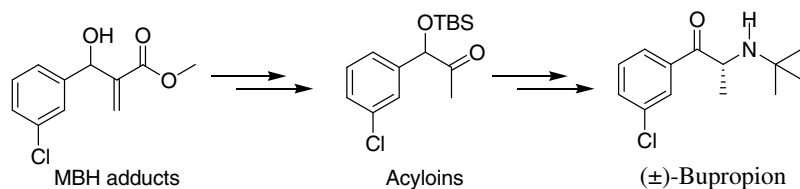
Phenothiazine-pyridyl chalcone: an easily accessible colorimetric and fluorimetric ‘on-off’ dual sensing probe for Cu²⁺ pp 3739–3743

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Acyloins from Morita–Baylis–Hillman adducts: an alternative approach to the racemic total synthesis of bupropion pp 3744–3748

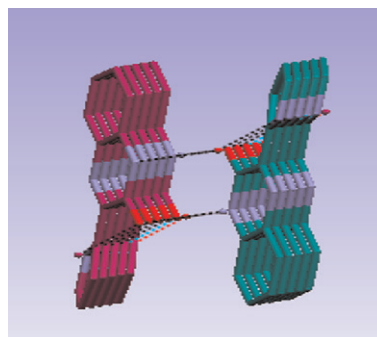
Giovanni W. Amarante, Patrícia Rezende, Mayra Cavallaro, Fernando Coelho *



Efficient synthesis and solid state analysis of 3-(1*H*-pyrrol-2-yl)quinoxalin-2(1*H*)-one and 2-(1*H*-pyrrol-2-yl)-1*H*-benzo[*d*]imidazole from pyrrolo-2-ylglyoxyl acid pp 3749–3751

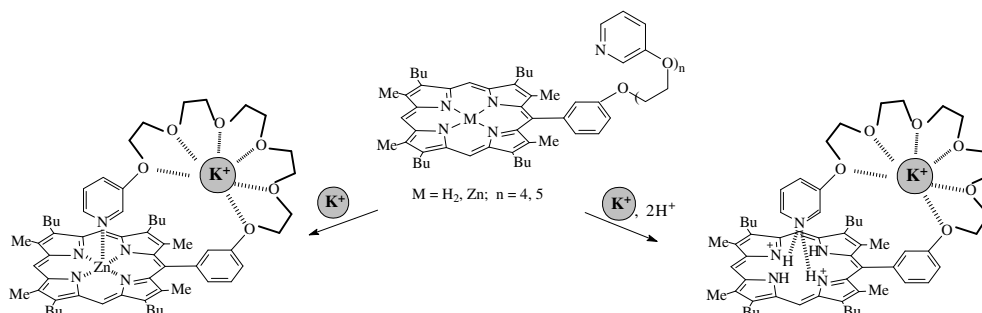
Florence Szydlo, Bruno Andrioletti *, Eric Rose, Carine Duhayon

The condensation between 2-oxo-2-(1*H*-pyrrol-2-yl)acetic acid and 1,2-phenylene diamines affords unprecedented, biologically relevant pyrrolo-benzimidazole and pyrrolo-quinoxalines.



Porphyrin-based molecular receptors for alkali metal cations: synthesis and chemical modification pp 3752–3756

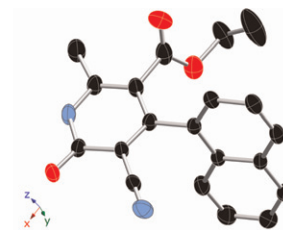
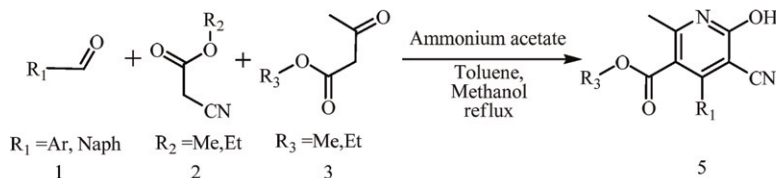
Nugzar Zh. Mamardashvili *, Olga V. Maltseva, Yulia B. Ivanova, Galina M. Mamardashvili



Synthesis of ethyl 5-cyano-6-hydroxy-2-methyl-4-(1-naphthyl)-nicotinate

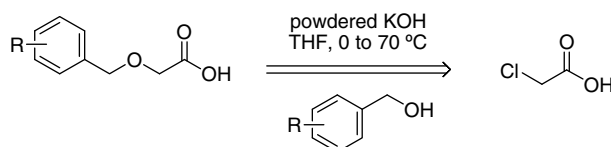
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Yongchang Zhou *, Tatsuro Kijima, Shunsuke Kuwahara, Masataka Watanabe, Taeko Izumi

**Practical preparation of benzyloxyacetic acids**

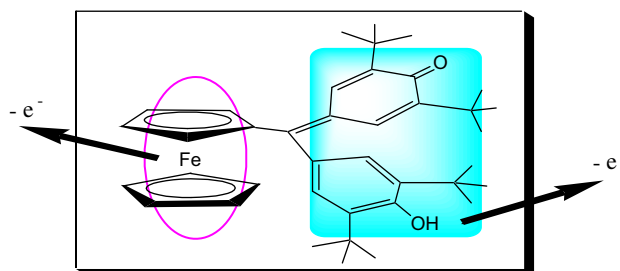
pp 3762–3765

Kathleen Linn *, Jeffrey T. Kuethe *, Zhihui Peng, Nobuyoshi Yasuda

**Synthesis and characterization of ferrocenylgalvinol, a novel d-π redox system**

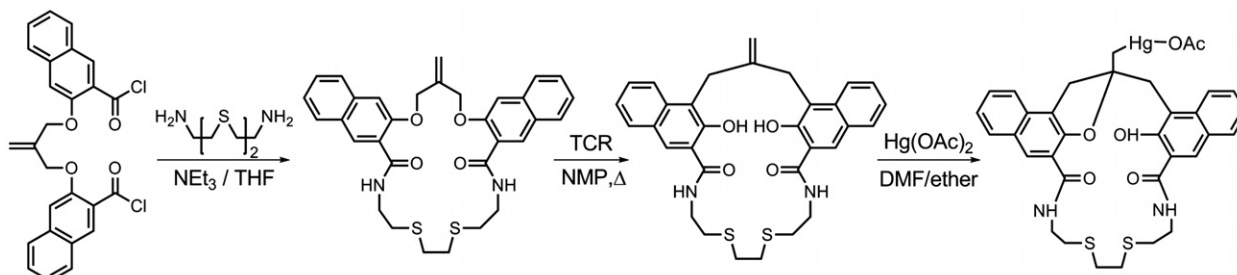
pp 3766–3769

Hideyuki Tukada

**Novel sulfur-containing amidocrownophanes: synthesis via tandem Claisen rearrangement and an unpredicted mercuration**

pp 3770–3774

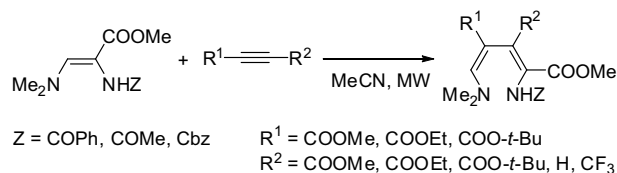
Joobeom Seo, Shim Sung Lee *, Wei-Tao Gong, Kazuhisa Hiratani *



Regiospecific [2+2] cycloadditions of electron-poor acetylenes to (*Z*)-2-acylamino-3-dimethylaminopropenoates: synthesis of highly functionalised buta-1,3-dienes

pp 3775–3778

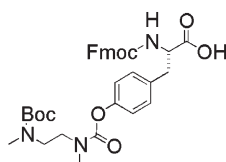
Uroš Uršič, Uroš Grošelj, Anton Meden, Jurij Svete, Branko Stanovnik *



A carbamoyl-protective group for tyrosine that facilitates purification of hydrophobic synthetic peptides

pp 3779–3781

Karolina Wahlström, Ove Planstedt, Anders Undén *



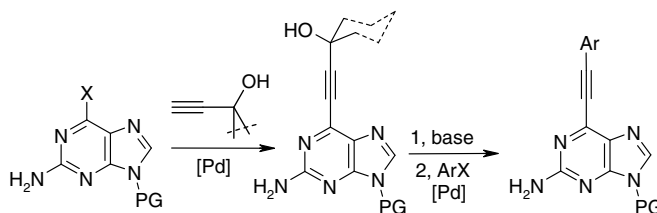
A new side chain-protective group for tyrosine in Fmoc solid-phase peptide synthesis is reported which increases the solubility of synthetic peptides during the purification step. After purification, the protective group is cleaved in an intramolecular cyclization reaction at slightly alkaline pH.



Synthesis of 6-ethynylpurine derivatives

pp 3782–3784

András Nagy, András Kotschy *

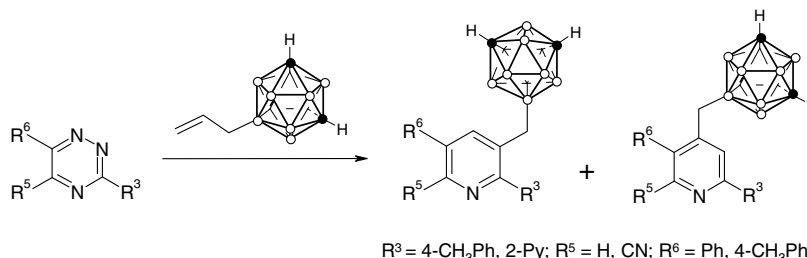


The synthesis of a series of 6-(arylethynyl)purines is described utilizing a sequential Sonogashira-coupling approach.

9-Allyl-1,7-dicarbododecaborane as a dienophile in aza Diels–Alder reactions of 1,2,4-triazines: synthesis of pyridines bearing a carborane cage

pp 3785–3789

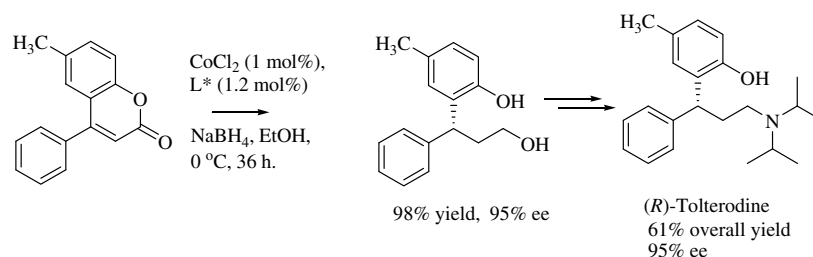
Anton M. Prokhorov *, Pavel A. Slepukhin, Vladimir L. Rusinov, Valery N. Kalinin, Dmitry N. Kozhevnikov



Co-catalyzed mild and chemoselective reduction of phenyl esters with NaBH₄: a practical synthesis of (*R*)-tolterodine

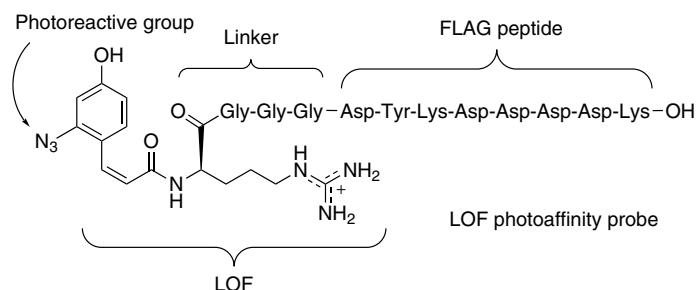
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Arun R. Jagdale, Arumugam Sudalai *


Synthesis of photoaffinity probe based on the leaf-opening factor from genus *Albizzia*

pp 3794–3796

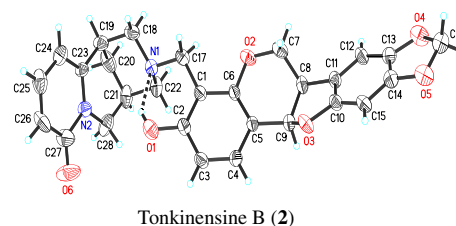
Masahiro Okada, Akira Matsubara, Minoru Ueda *


Tonkinensines A and B, two novel alkaloids from *Sophora tonkinensis*

pp 3797–3801

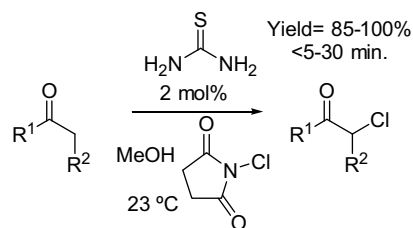
Xing-Nuo Li, Zhi-Qiang Lu, Song Qin, Hai-Xia Yan, Min Yang, Shu-Hong Guan, Xuan Liu, Hui-Ming Hua, Li-Jun Wu, De-An Guo *

Tonkinensines A (**1**) and B (**2**), two novel cytosine-type alkaloids that feature the skeleton with a linkage to pterocarpan, were isolated from the roots of *Sophora tonkinensis*. Their structures and absolute configurations were elucidated by spectroscopic methods, especially X-ray crystal diffraction and CD spectral analysis. The proposed biosynthetic pathway was also discussed. Both **1** and **2** were tested in HeLa and MDA-MB-231 tumor cell lines, and compound **2** showed moderate cytotoxic activity.


Thiourea catalysis of NCS in the synthesis of α -chloroketones

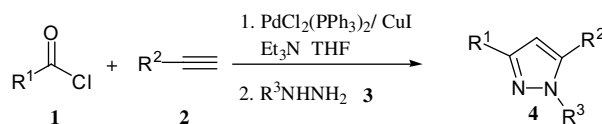
pp 3802–3804

Yujiang Mei, Paul A. Bentley *, Juan Du



One-pot three-component synthesis of pyrazoles through a tandem coupling-cyclocondensation sequence pp 3805–3809

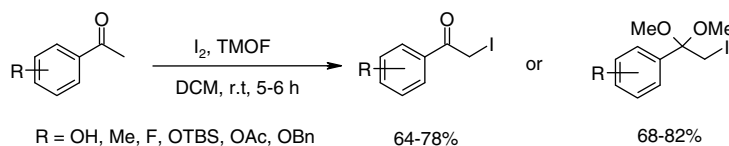
Hai-Ling Liu, Huan-Feng Jiang *, Min Zhang, Wen-Juan Yao, Qiu-Hua Zhu, Zhou Tang



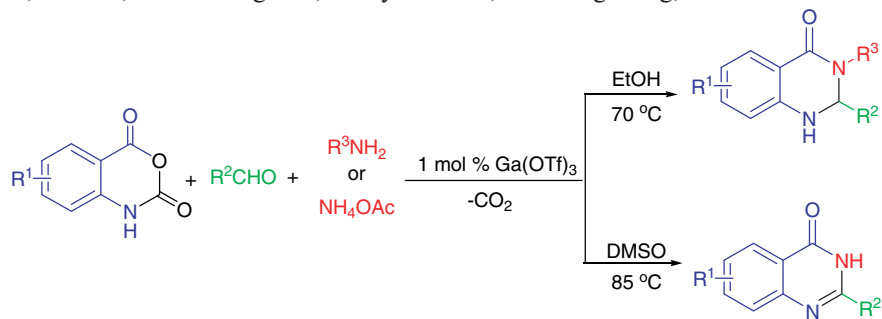
An efficient and general one-pot procedure for the synthesis of pyrazoles from chlorides, terminal alkynes and hydrazines was described via a coupling and cyclocondensation sequence. Acid chlorides coupled with terminal alkynes to give α,β -unsaturated ynones, and in situ converted into pyrazoles by the cycloaddition of hydrazine. The desired pyrazoles were obtained with 15–85% isolated yields.

Facile synthesis of α -iodo carbonyl compounds and α -iodo dimethyl ketals using molecular iodine and trimethylorthoformate pp 3810–3813

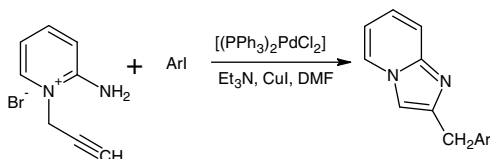
J. S. Yadav *, G. Kondaji, M. Shiva Ram Reddy, P. Srihari

**Gallium(III) triflate-catalyzed one-pot selective synthesis of 2,3-dihydroquinazolin-4(1H)-ones and quinazolin-4(3H)-ones** pp 3814–3818

Jiuxi Chen, Dengze Wu, Fei He, Miaochang Liu, Huayue Wu *, Jinchang Ding, Weike Su *

**Pd–Cu catalyzed heterocyclization during Sonogashira coupling: synthesis of 2-benzylimidazo[1,2-a]pyridine** pp 3819–3822

Mohammad Bakherad *, Hossein Nasr-Isfahani, Ali Keivanloo, Nesa Doostmohammadi

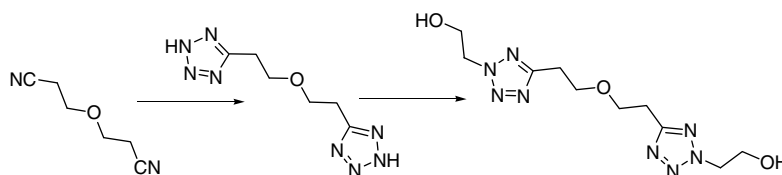


The reaction of 2-amino-1-(2-propynyl)pyridinium bromide with various iodobenzenes, catalyzed by Pd–Cu, leads to the formation of 2-benzylimidazo[1,2-a]pyridines.

Synthesis of multifunctional hydroxyethyl tetrazoles

pp 3823–3826

Andrew Chafin *, David J. Irvin *, Mark H. Mason, Susan L. Mason

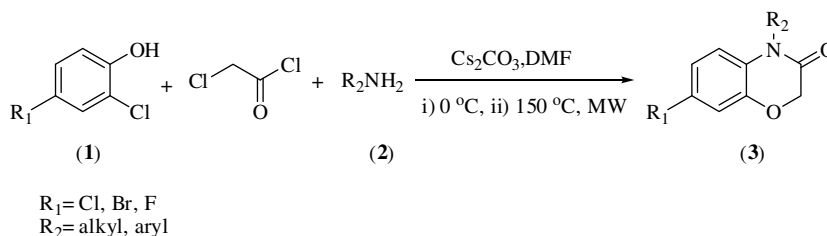


A series of di-, tri-, and tetra-tetrazoloalkanes were synthesized from the corresponding nitrile and sodium azide. These were alkylated to give hydroxy terminated chains for possible use as high energy oligomers.

Microwave-assisted one-pot synthesis of benzo[*b*][1,4]oxazin-3(4*H*)-ones via Smiles rearrangement

pp 3827–3830

Hua Zuo, Lijuan Meng, Manjunath Ghate, Kyu-Hyeon Hwang, Yong Kweon Cho, S. Chandrasekhar, Ch. Raji Reddy, Dong-Soo Shin *

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*Corresponding author

Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com

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