

Tetrahedron Letters Vol. 51, No. 25, 2010

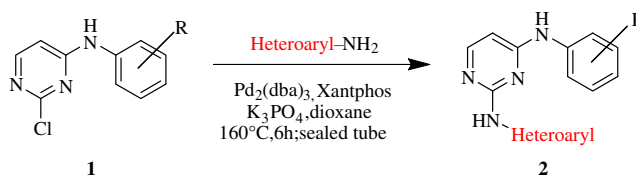
Contents

COMMUNICATIONS

Convenient preparation of 4-aryl-2-(heteroaryl)pyrimidines and 4-anilino-2-(heteroaryl)pyrimidines

pp 3259–3262

Brian I. Bliss*, Feryan Ahmed, Subashree Iyer, Weimin Lin, Joel Walker, He Zhao



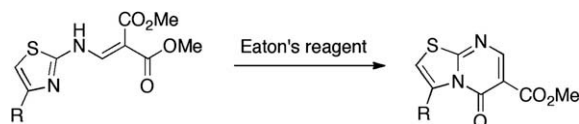
A method for the efficient assembly of novel 4-aryl- and 4-anilino-2-(heteroaryl)pyrimidines via Buchwald–Hartwig N-arylations at elevated temperatures under sealed tube conditions is reported.



An efficient synthesis of thiazolo[3,2-*a*]pyrimidinones

pp 3263–3265

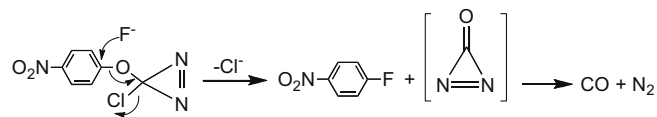
Nadia M. Ahmad, Keith Jones*



The generation of diazirinone: a computational study

pp 3266–3268

Robert A. Moss*, Ronald R. Sauers*

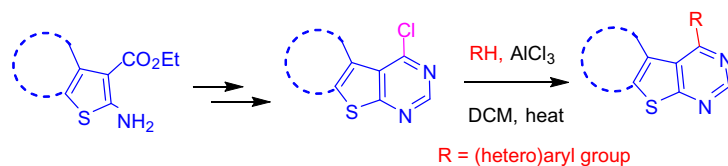


Computational studies indicate that the reaction of *p*-nitrophenoxyfluorodiazirine with fluoride ion should generate diazirinone. However, fluoride ion also catalyzes the decomposition of diazirinone to carbon monoxide and nitrogen, so that the diazirinone will be unstable to the conditions used to generate it.

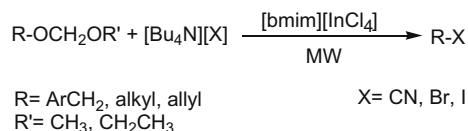


AlCl₃-induced (hetero)arylation of thienopyrimidine ring: a new synthesis of 4-substituted thieno[2,3-*d*]pyrimidines pp 3269–3273

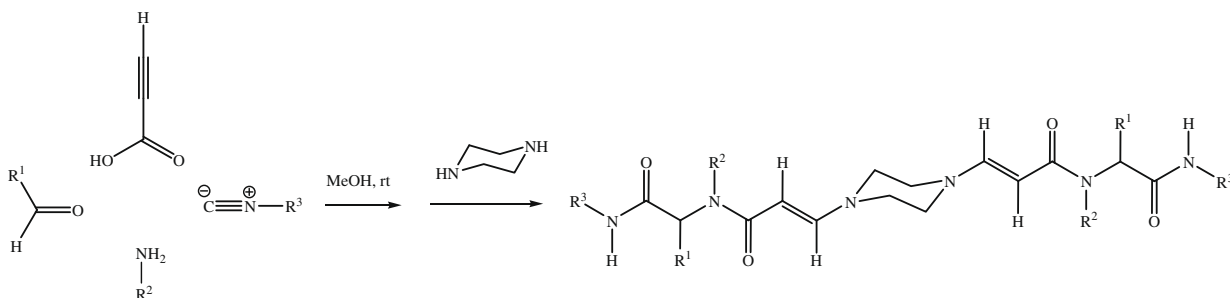
K. Shiva Kumar, Srinivas Chamakuri, Peddy Vishweshwar, Javed Iqbal*, Manojit Pal*

**Microwave-promoted, one-pot conversion of alkoxymethylated protected alcohols into their corresponding nitriles, bromides, and iodides using [bmim][InCl₄] as a green catalyst** pp 3274–3276

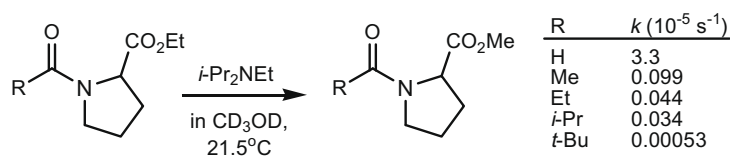
Arsalan Mirjafari, Iraj Mohammadpoor-Baltork*, Majid Moghadam*, Shahram Tangestaninejad, Valiollah Mirkhani, Ahmad Reza Khosropour

**Efficient synthesis of 1,4-disubstituted polyfunctional piperazines via a sequential one-pot Ugi/nucleophilic addition five-component reaction** pp 3277–3279

Morteza Bararjanian, Saeed Balalaie*, Barahman Movassagh, Hamid Reza Bijanzadeh

**Structure dependence in the solvolysis kinetics of amino acid esters** pp 3280–3283

John Haseltine*, Jason W. Runyon

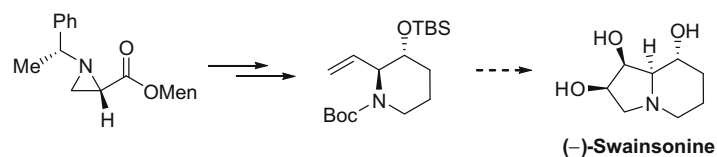


Seventeen *N*-acyl amino acid esters were solvolyzed while monitoring by ¹H NMR. The pseudo-first-order rate constant varies up to 6200-fold. The nature of the structure-reactivity relationship is discussed.

A formal synthesis of (-)-swainsonine from a chiral aziridine

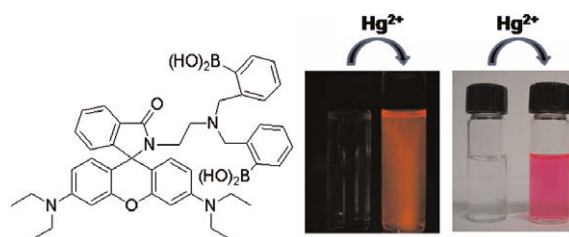
pp 3284–3285

Hwan Geun Choi, Ji Hye Kwon, Jong Chan Kim, Won Koo Lee*, Heesung Eum, Hyun-Joon Ha*

**New fluorescent and colorimetric chemosensors based on the rhodamine and boronic acid groups for the detection of Hg²⁺**

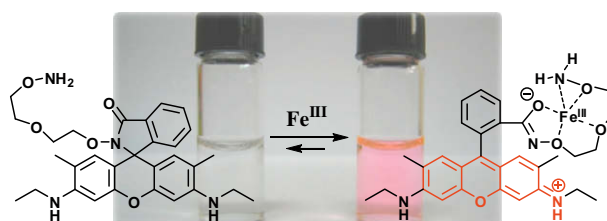
pp 3286–3289

Sook Kyung Kim, K. M. K. Swamy, So-Young Chung, Ha Na Kim, Min Jung Kim, Yongsuk Jeong, Juyoung Yoon*

**Aminoxy-linked rhodamine hydroxamate as fluorescent chemosensor for Fe³⁺ in aqueous media**

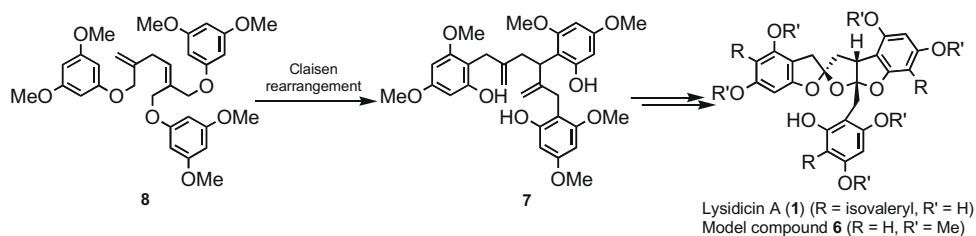
pp 3290–3293

Kyung-Soo Moon, Young-Keun Yang, Seunghee Ji, Jinsung Tae*

**Efficient construction of the core framework of lysidicin A via three Claisen rearrangements including a cascade reaction**

pp 3294–3296

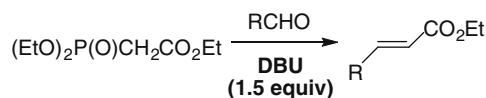
Yusuke Ogura, Hidenori Watanabe*



Solvent-free Horner–Wadsworth–Emmons reaction using DBU

pp 3297–3299

Kaori Ando*, Kyohei Yamada

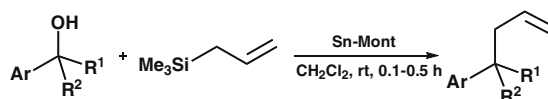
no solvent, higher *E*-selectivity, high yields

The solvent-free Horner–Wadsworth–Emmons reaction with a variety of aldehydes using 1.5 equiv of DBU gave *E*- α,β -unsaturated esters and ketones in high yields. The *E*-selectivity was high and the used DBU was recovered.

Direct allylation of α -aryl alcohols with allyltrimethylsilane catalyzed by heterogeneous tin ion-exchanged montmorillonite

pp 3300–3303

Jiacheng Wang, Yoichi Masui, Makoto Onaka*

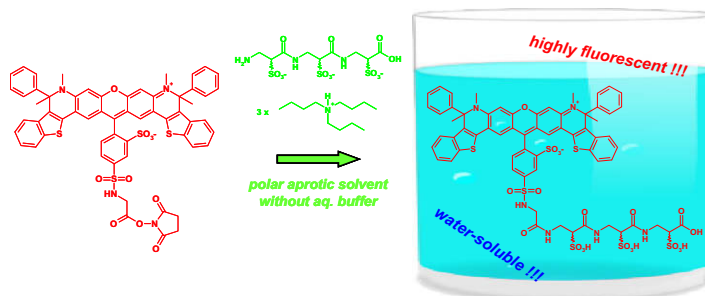


The direct allylation of α -aryl alcohols with allyltrimethylsilane efficiently proceeded in the presence of tin ion-exchanged montmorillonite under mild conditions according to the proper addition order of reactants and a catalyst.

Water solubilization of xanthene dyes by post-synthetic sulfonation in organic media

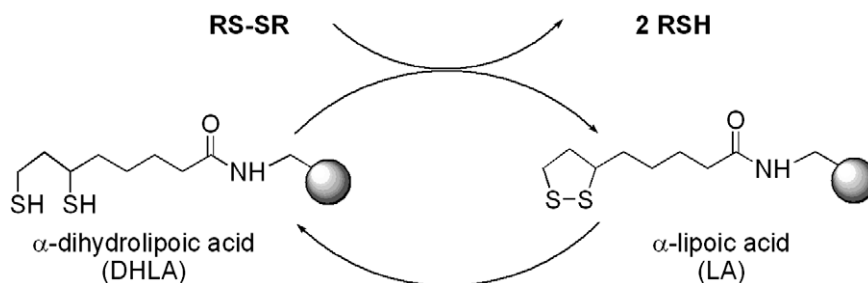
pp 3304–3308

Anthony Romieu*, Delphine Tavernier-Lohr, Stéphane Pellet-Rostaing*, Marc Lemaire, Pierre-Yves Renard

**Convenient supported recyclable material based on dihydrolipoyl-residue for the reduction of disulfide derivatives**

pp 3309–3311

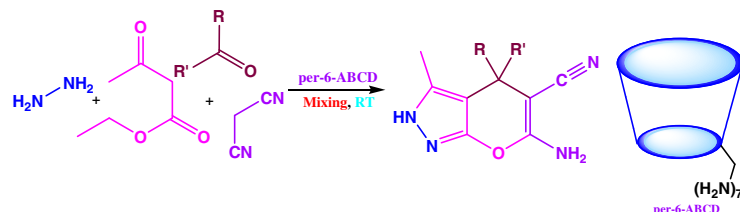
Céline Bienvenu, Jacques Greiner, Pierre Vierling, Christophe Di Giorgio*



Solvent-free multicomponent synthesis of pyranopyrazoles: per-6-amino- β -cyclodextrin as a remarkable catalyst and host

pp 3312–3316

Kuppusamy Kanagaraj, Kasi Pitchumani*

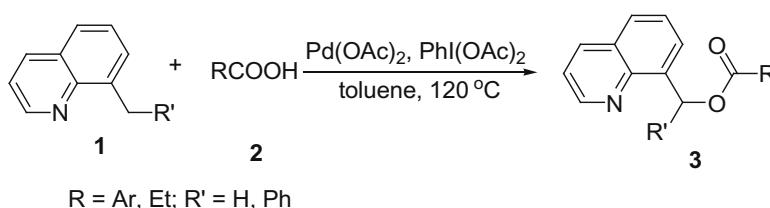


A simple, green and efficient protocol is developed with per-6-amino- β -cyclodextrin (per-6-ABCD) which acts simultaneously as a supramolecular host and as an efficient solid base catalyst for the solvent-free syntheses of various dihydropyrano[2,3-*c*]pyrazole derivatives involving a four-component reaction. This atom-economical protocol, reported for the first time with ketones also, includes a much milder procedure, does not involve any tedious work-up or purification, avoids hazardous reagents/byproducts and results in near quantitative yields. The catalyst can be reused at least six times without any change in its catalytic activity.

**Chelation-assisted palladium-catalyzed acyloxylation of benzyl sp^3 C–H bonds using $\text{PhI}(\text{OAc})_2$ as oxidant**

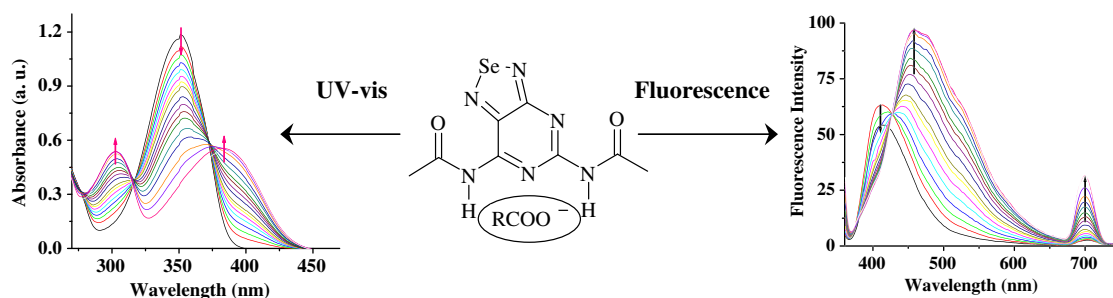
pp 3317–3319

Shouhui Zhang, Fang Luo, Wenhui Wang, Xiaofei Jia, Maolin Hu*, Jiang Cheng*

**Selenodiazole-fused diacetamidopyrimidine, a selective fluorescence sensor for aliphatic monocarboxylates**

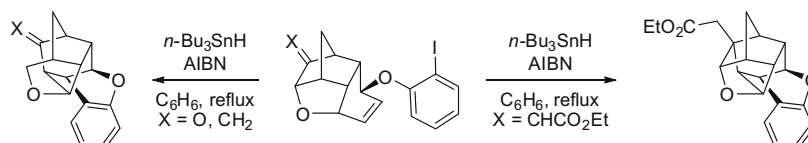
pp 3320–3323

Shyamaprasad Goswami*, Anita Hazra, Manas Kumar Das

**Tandem radical cyclization-based strategy for the synthesis of oxa- and aza-cages: a case of fragmentation versus cyclization**

pp 3324–3329

Santosh J. Gharpure*, Suheel K. Porwal

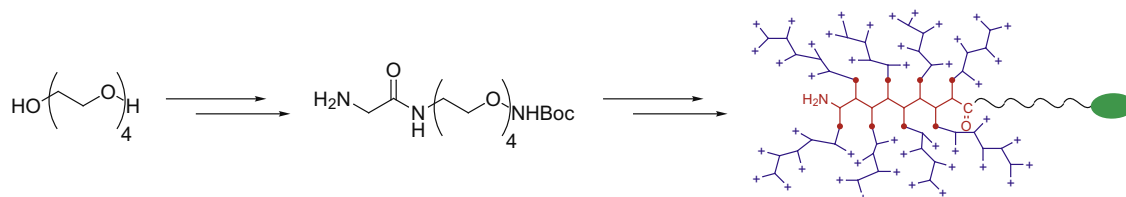


Tandem radical cyclizations involving two successive radical cyclizations result in the formation of the oxa- and aza-cage compounds. Cyclization with the ketones or olefins without stabilizing groups led to oxa-cages via a fragmentation reaction.

Synthesis and ligation ability of mono-aminoxy-functionalized dendrigraft poly-L-lysine (DGL)

pp 3330–3333

Andrea Molero Bondia, Nicolas Larcher, Laurent Garrelly, Jean Christophe Rossi, Robert Pascal*

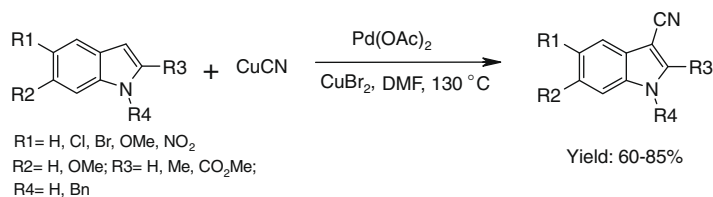


A bifunctional linker was prepared and used as an initiator for the synthesis of dendrigraft poly-L-lysine generations and shown to undergo a selective ligation with aldehydes.

Pd(OAc)₂-catalyzed C–H activation of indoles: a facile synthesis of 3-cyanoindoles

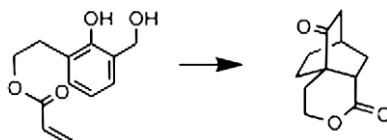
pp 3334–3336

B. V. Subba Reddy*, Zubeda Begum, Y. Jayasudhan Reddy, J. S. Yadav

**A tandem oxidative dearomatization/intramolecular Diels–Alder reaction: a short and efficient entry into tricyclic system of maoecrystal V**

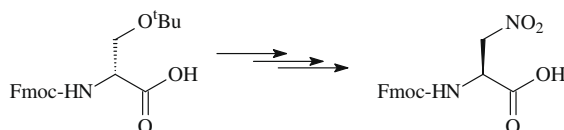
pp 3337–3339

Vishwakarma Singh*, Pravin Bhalerao, Shaikh M. Mobin


**Efficient stereocontrolled synthesis of (S)-Fmoc-β-nitroalanine via oxidation of oxime**

pp 3340–3343

Satendra S. Chauhan*, Howard J. Wilk

Stereoselective synthesis of (S)-Fmoc-β-nitroalanine was accomplished from (R)-Fmoc-Ser(^tBu)-OH in a total of six steps via oxidation of oxime.

*Corresponding author

 Supplementary data available via ScienceDirect

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS[®]. Full text available on ScienceDirect[®]



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ISSN 0040-4039