



Tetrahedron Vol. 67, Issue 18, 2011

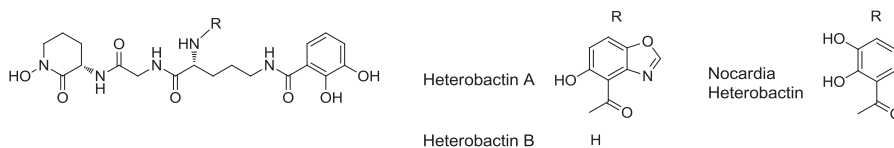
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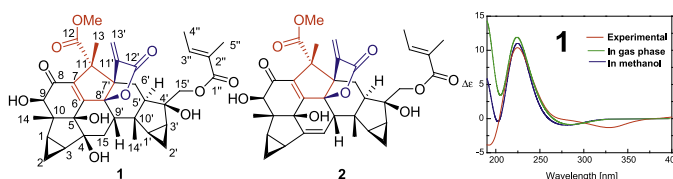
Raymond J. Bergeron*, Shailendra Singh, Neelam Bharti

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Sarcanolides A and B: two sesquiterpenoid dimers with a nonacyclic scaffold from *Sarcandra hainanensis*

Xiu-Feng He, Sheng Zhang, Rong-Xiu Zhu, Sheng-Ping Yang, Tao Yuan, Jian-Min Yue*

pp 3170–3174



Two novel lindenane-type sesquiterpenoid dimers, sarcanolides A (**1**) and B (**2**), were isolated from the whole plants of *Sarcandra hainanensis*. These compounds feature a new nonacyclic scaffold in which the bond formation of C-11–C-7' imposed the five-membered lactone ring in a full β -direction. Their structures, including the absolute configuration, were determined by NMR analysis, CD exciton chirality method, and ECD calculation.



Highly selective recognition of monosaccharide based on two-component system in aqueous solution

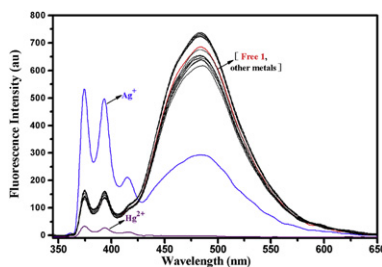
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Liheng Feng*, Yue Wang, Fei Liang, Ming Xu, Xiaoju Wang*

**Novel fluorescent sensor for Ag⁺ and Hg²⁺ based on the BINOL-pyrene derivative via click reaction**

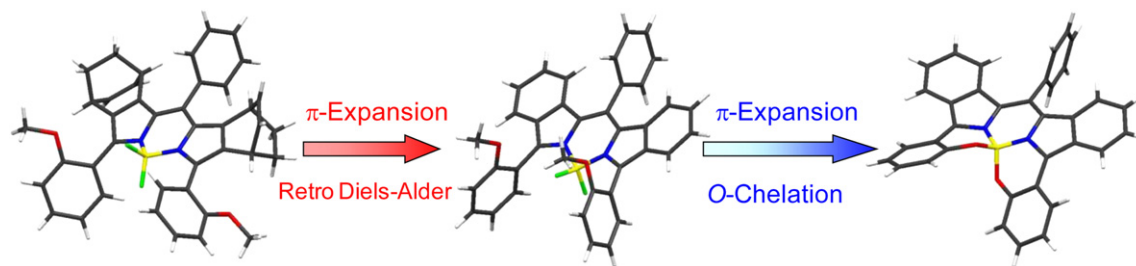
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Xuechao Liu, Xia Yang, Yong Fu, Chengjian Zhu*, Yixiang Cheng*

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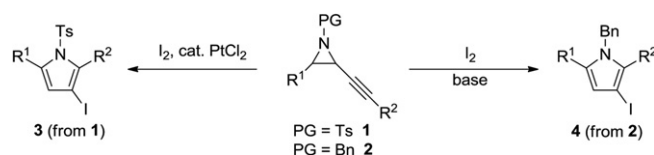
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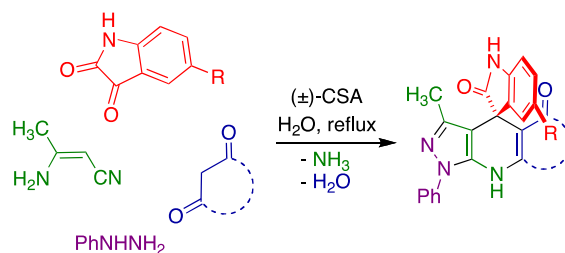
Masahiro Yoshida*, Salina Easmin, Mohammad Al-Amin, Yuuki Hirai, Kozo Shishido



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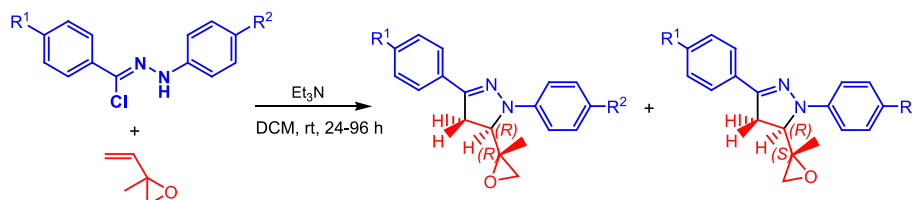
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Kamaraj Balamurugan, Subbu Perumal*, J. Carlos Menéndez*


Regioselective 1,3-dipolar cycloaddition of nitrilimines to 2-methyl-2-vinyl oxirane

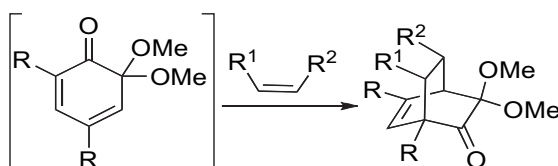
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Muhammet Yıldırım, Yaşar Dürüst*


Facile preparation of bicyclo[2.2.2]octenone derivatives via Diels–Alder cycloadditions of in situ-generated masked *o*-benzoquinones

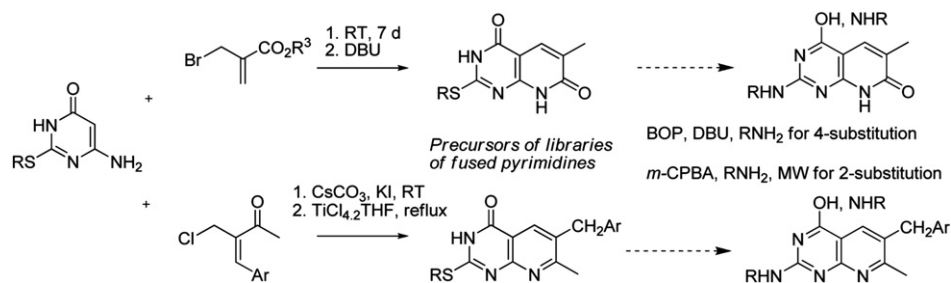
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Christos Kalogiros, Lazaros P. Hadjiarapoglou*


Diversity oriented synthesis: substitution at C5 in unreactive pyrimidines by Claisen rearrangement and reactivity in nucleophilic substitution at C2 and C4 in pteridines and pyrido[2,3-*d*]pyrimidines

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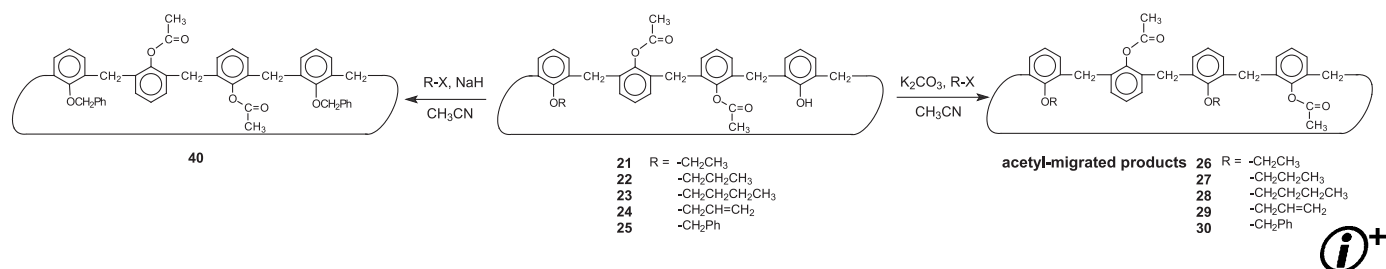
Jonathan Adcock, Colin L. Gibson, Judith K. Huggan, Colin J. Suckling*



25,26-Dialkoxy-calix[4]arenes. Part 1: 25-Alkoxy-26,27-diacetoxy route

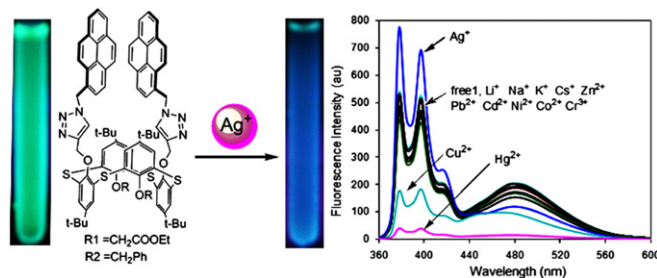
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Fung-Ying Wu, Kai-Fu Chang, Cheng-Han Kuo, Kuan-Chih Chen, Kuo-Chang Lee, Chiun-Shiang Huang, Yung-Sheng Chiang, Lee-Gin Lin*

**Synthesis and evaluation of a novel pyrenyl-appended triazole-based thiacalix[4]arene as a fluorescent sensor for Ag⁺ ion**

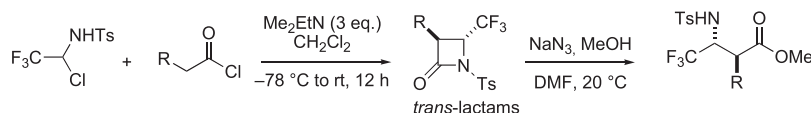
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Xin-Long Ni, Xi Zeng, Carl Redshaw, Takehiko Yamato*

**Diastereoselective synthesis of *trans*-trifluoromethyl-β-lactams and α-alkyl-β-trifluoromethyl-β-amino esters**

pp 3254–3259

Vitaliy Petrik*, Gerd-Volker Rösenthaller, Dominique Cahard*

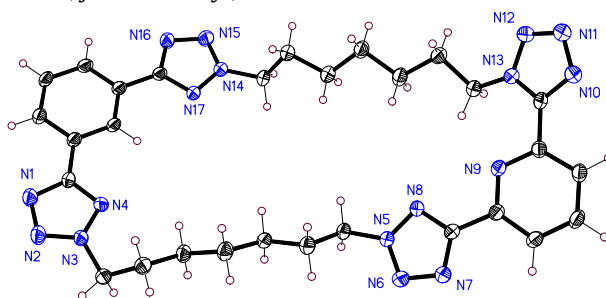


A new, one-pot method for synthesis of fluorinated β-lactams has been developed from *N*-tosyl-1-chloro-2,2,2-trifluoroethylamine and various nonactivated aliphatic acid chlorides in the presence of dimethylethylamine. The reaction is highly diastereoselective providing the *trans*-lactams that could be further transformed into α-alkyl-β-trifluoromethyl-β-amino esters.

Synthesis and characterisation of macrocycles containing both tetrazole and pyridine functionalities

pp 3260–3266

Adrienne Fleming, Jackie Gaire, Fintan Kelleher, John McGinley*, Vickie McKee

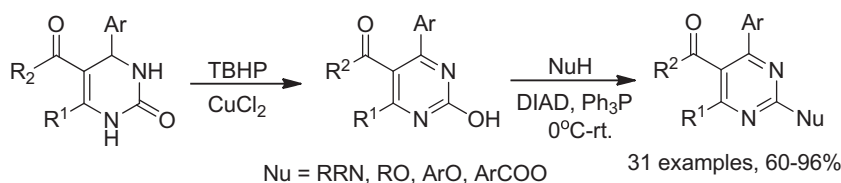


The syntheses of tetra-tetrazole macrocycles containing at least one 2,6-bis(tetrazole)pyridine unit, linked by a variety of *n*-alkyl (*n*=3, 5, 7 or 9 carbon atoms) chain lengths, are described. There has been no previous incorporation of the pyridine moiety into a tetra-tetrazolophane macrocycle.

Synthesis of C2-functionalized pyrimidines from 3,4-dihydropyrimidin-2(1H)-ones by the Mitsunobu coupling reaction

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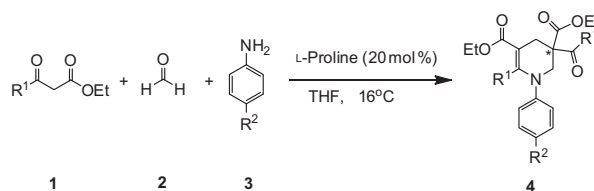
Xi-Cun Wang*, Guo-Jun Yang, Xiao-Dong Jia, Zhang Zhang, Yu-Xia Da, Zheng-Jun Quan*



Organocatalytic enantioselective multicomponent cascade reaction: facile access to tetrahydropyridines with C3 all-carbon quaternary stereocenters

pp 3273–3277

De-Feng Yu, Yao Wang, Peng-Fei Xu*



*Corresponding author

Supplementary data available via ScienceDirect



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