

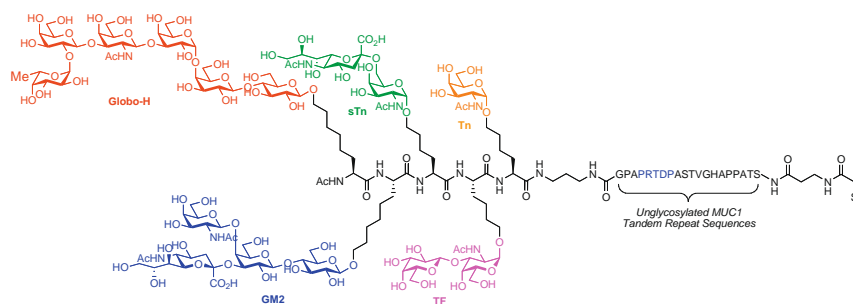
Tetrahedron Letters Vol. 50, No. 19, 2009

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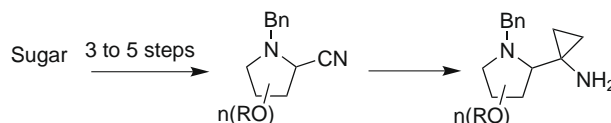
'Biologic' level structures through chemistry: a total synthesis of a unimolecular penta-*valent* MUC1 glycopeptide construct pp 2167–2170

Dongjoo Lee, Samuel J. Danishefsky*



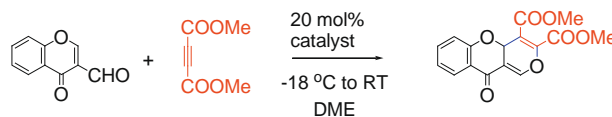
Synthesis of 2-aminocyclopropyl pyrrolidines from glycoaminonitriles pp 2171–2173

Delphine Declerck, Solen Josse, Albert Nguyen Van Nhien, Denis Postel*



4-Picoline-catalyzed hetero-Diels–Alder type reactions: one-pot synthesis of pyrano[4,3-*c*]chromenes pp 2174–2176

Michael A. Terzidis, Eleni Dimitriadou, Constantinos A. Tsoleridis*, Julia Stephanidou-Stephanatou*

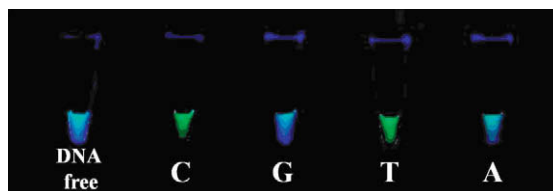


An organocatalytic hetero-Diels–Alder type reaction between α,β -unsaturated aldehydes and acetylenedicarboxylates is achieved which offers an efficient one-pot access to pyrano[4,3-*c*]chromenes from simple and readily available starting materials under mild reaction conditions.

Luminescence-based colorimetric discrimination of single-nucleotide transversions by the combined use of the derivatives of DOTA-conjugated naphthridine and its terbium complex

pp 2177–2180

Hiroshi Atsumi, Keitaro Yoshimoto, Shingo Saito, Moriya Ohkuma, Mizuo Maeda, Yukio Nagasaki *

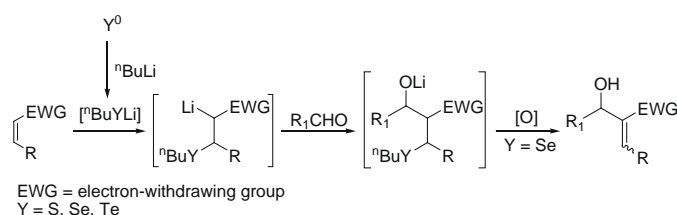


Visual discrimination of single-nucleotide transversions was accomplished by the observation of fluorescent color change in a mixed solution of ND-DOTA and its terbium(III) complex at single excitation wavelength.


Lithium butylchalcogenolate induced Michael-aldol tandem sequence: easy and rapid access to highly functionalized organochalcogenides and unsaturated compounds

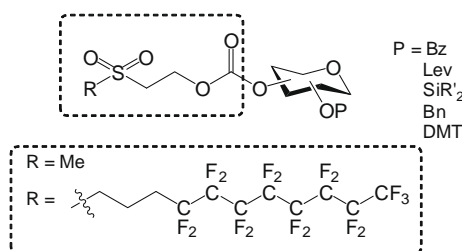
pp 2181–2184

Artur F. Keppler, Rogério A. Gariani, Danilo G. Lopes, João V. Comasseto *


Methylsulfonylethoxycarbonyl (Msc) and fluorosulfonylethoxycarbonyl (FPsc) as hydroxy-protecting groups in carbohydrate chemistry

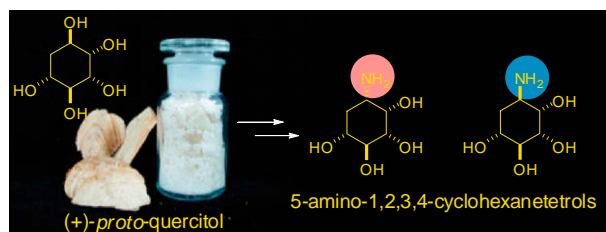
pp 2185–2188

Asghar Ali, Richard J. B. H. N. van den Berg, Herman S. Overkleef, Dmitri V. Filippov, Gijsbert A. van der Marel *, Jeroen D. C. Codée *


(+)-proto-Quercitol, a natural versatile chiral building block for the synthesis of the α -glucosidase inhibitors, 5-amino-1,2,3,4-cyclohexanetetrols

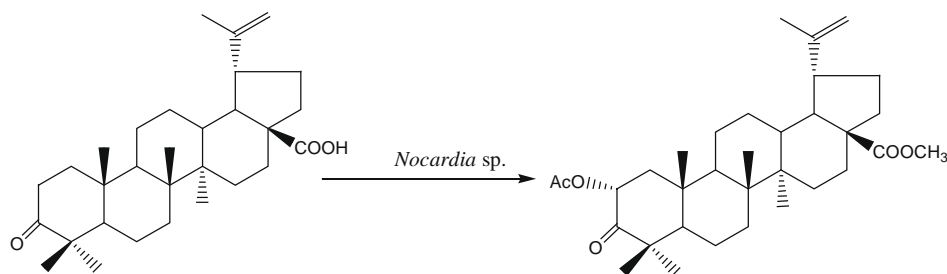
pp 2189–2192

Sumrit Wacharasindhu *, Wisuttaya Worawalai, Wimolpun Rungprom, Preecha Phuwapraisirisan *



Direct microbial-catalyzed asymmetric α -hydroxylation of betulonic acid by *Nocardia* sp. NRRL 5646

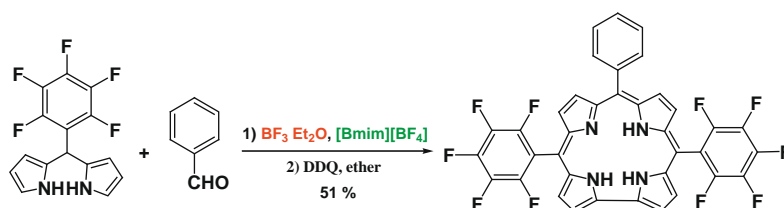
pp 2193–2195

Li-Wu Qian, Jian Zhang ^{*}, Ji-Hua Liu, Bo-Yang Yu ^{*}

An unexpected asymmetric α -hydroxylation product of betulonic acid was obtained by the microbial transformation of *Nocardia* sp. NRRL 5646 and this is the first report of microorganism-catalyzed ketone α -oxidation.

Preparation of *meso*-substituted *trans*-A₂B-corroles in ionic liquids

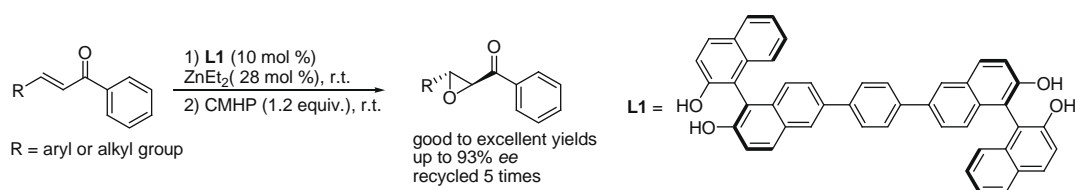
pp 2196–2199

Hai-Ying Zhan, Hai-Yang Liu ^{*}, Huo-Ji Chen, Huan-Feng Jiang ^{*}

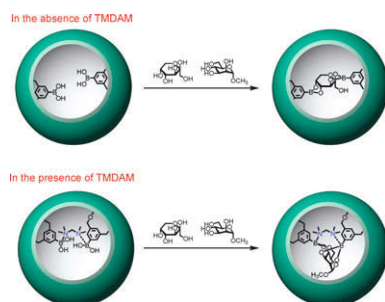
A new and simple method for the preparation of *meso*-substituted *trans*-A₂B-corroles was developed by using ionic liquid as reaction medium. Under the optimal reaction conditions in [Bmim][BF₄], the desired corroles may even be obtained with good yield up to 53%.

Self-supported BINOL–Zn catalysts for heterogeneous enantioselective epoxidation of (*E*)- α,β -unsaturated ketones

pp 2200–2203

Haiming Wang, Zheng Wang, Kuiling Ding ^{*}**Switching the selectivity of a polyglycerol dendrimer monomolecularly imprinted with *D*-(-)-fructose**

pp 2204–2207

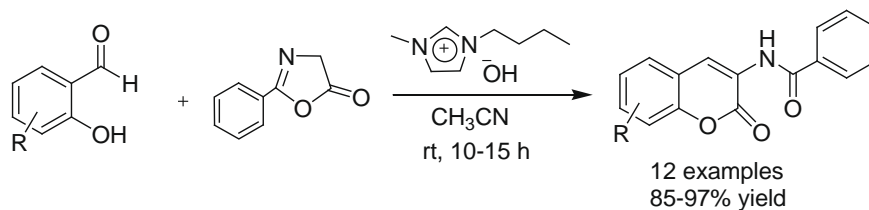
Akihito Hashidzume, Steven C. Zimmerman ^{*}

A polyglycerol dendrimer monomolecularly imprinted with *D*-(-)-fructose (Fru) preferred Fru in the absence of *N,N,N',N'*-tetramethyldiaminomethane (TMDAM), whereas it preferred methyl- α -*D*-mannopyranoside in the presence of TMDAM.

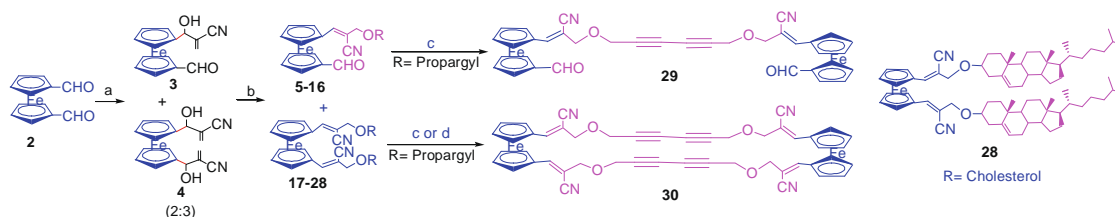


A one-pot [Bmim]OH-mediated synthesis of 3-benzamidocoumarins

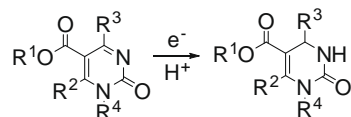
pp 2208–2212

Lal Dhar S. Yadav ^{*}, Santosh Singh, Vijai K. Rai**A first one-pot synthesis, isomerization and synthetic utility of mono- and bis Morita–Baylis–Hillman adducts of 1,1'-ferrocenedialdehyde**

pp 2213–2218

Ponnusamy Shanmugam ^{*}, Suchithra Madhavan, Kodirajan Selvakumar, Vadivel Vaithyanathan, Baby Viswambharana. $\text{CH}_2=\text{CHCN}$, DABCO, RT, 6h; b. ROH, mont.K10 clay, heat, 12h; c. $\text{Cu}(\text{OAc})_2$, MeOH-Py., Reflux, 1 h; d. CuCl_2 , Acetone, O_2 , RT, 5h.**Magnesium/methanol: an effective reducing agent for chemoselective reduction of pyrimidine-2(1H)-ones**

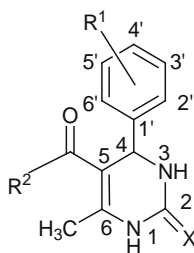
pp 2219–2221

Kamaljit Singh ^{*}, Kawaljit Singh

Magnesium in methanol reduces pyrimidine-2(1H)-ones chemoselectively in the presence of other reducible functionalities such as ester and alkene of enamine ester and uriedo carbonyl.

**Calcium fluoride: an efficient and reusable catalyst for the synthesis of 3,4-dihydropyrimidin-2(1H)-ones and their corresponding 2(1H)thione: an improved high yielding protocol for the Biginelli reaction**

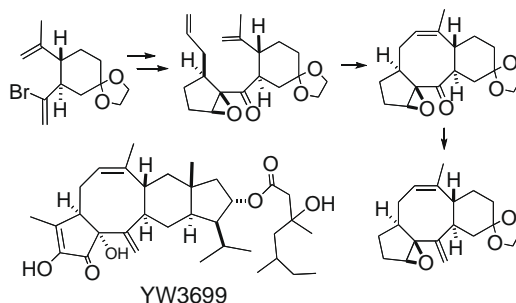
pp 2222–2224

S. Chitra, K. Pandiarajan ^{*}

Studies toward the total synthesis of YW3699, a sesterterpenoid GPI biosynthesis inhibitor: preparation of the tri-substituted cyclooctene ring using the RCM reaction

pp 2225–2227

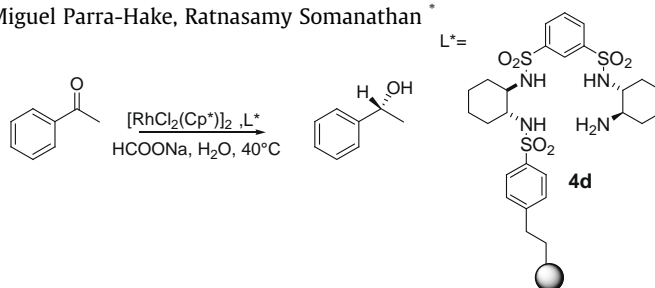
Reiko Mizutani, Katsuyuki Nakashima, Yoshinori Saito, Masakazu Sono, Motoo Tori *



New heterogenized C_2 -symmetric bis(sulfonamide)-cyclohexane-1,2-diamine- $Rh^{III}Cp^*$ complexes and their application in the asymmetric transfer hydrogenation (ATH) of ketones in water

pp 2228–2231

Norma A. Cortez, Gerardo Aguirre, Miguel Parra-Hake, Ratnasamy Somanathan *



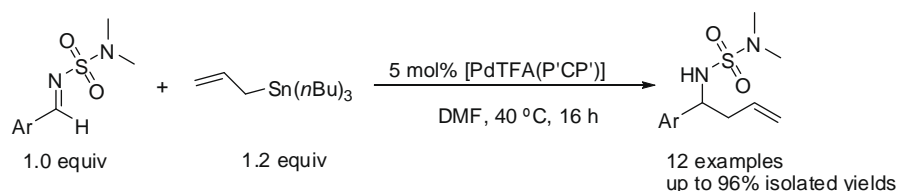
C_2 -symmetric bis(sulfonamide) ligands derived from chiral *trans*-(1*R*,2*R*)-cyclohexane-1,2-diamine were immobilized on silica gel and complexed to $Rh^{III}Cp^*$. The resulting complexes act as catalysts in the asymmetric transfer hydrogenation (ATH) of acetophenone.



P'CP'-Pincer palladium complex-catalyzed allylation of *N,N*-dimethylsulfamoyl-protected aldimines

pp 2232–2235

Jie Li, Adriaan J. Minnaard, Robertus J. M. Klein Gebbink *, Gerard van Koten



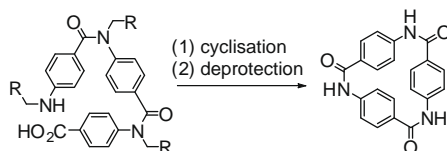
The pincer Pd complex-catalyzed allylation of *N,N*-(dimethylsulfamoyl)-protected aldimines with allyl(tributyl)stannane is investigated for the preparation of *N*-homoallylic sulfamides. A high yielding and convenient deprotection of the *N,N*-dimethylsulfamoyl group is also demonstrated.



An 'impossible' macrocyclisation using conformation directing protecting groups

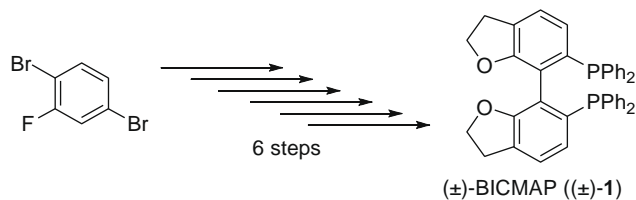
pp 2236–2238

Fred Campbell, Andrew J. Wilson *



Synthesis and application of atropisomeric dihydrobenzofuran-based bisphosphine (BICMAP)

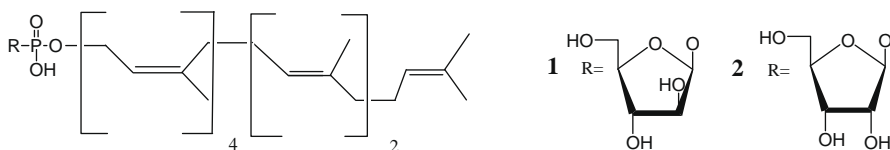
pp 2239–2241

Takashi Mino^{*}, Yoshiaki Naruse, Shohei Kobayashi, Shunsuke Oishi, Masami Sakamoto, Tsutomu Fujita

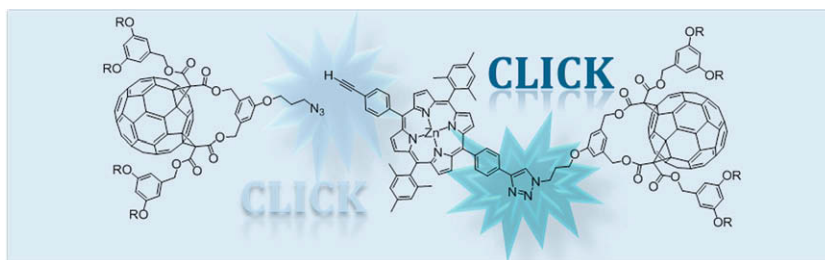
Suzuki-Miyaura reaction of aryl chloride
Hartwig-Buchwald amination of aryl bromide

Stereoselective syntheses of heptaprenylphosphoryl β-D-arabino- and β-D-ribo-furanoses

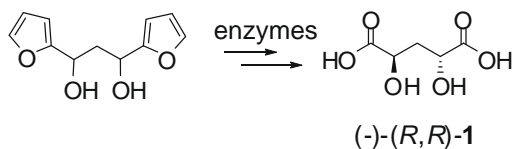
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Avraham Liav^{*}, Ewa Ciepichal, Ewa Swiezewska, Adela Bobovská, Petronela Dianišková, Jaroslav Blaško, Katarína Mikušová, Patrick J. Brennan**A stable fullerene-azide building block for the construction of a fullerene–porphyrin conjugate**

pp 2245–2248

Julien Iehl, Iwona Osinska, Rémy Louis, Michel Holler, Jean-François Nierengarten^{*}i⁺**Lipase-catalysed synthesis of homotartaric acid enantiomers**

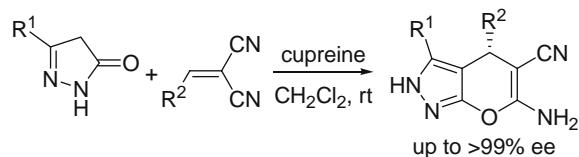
pp 2249–2251

Daniela Acetti, Elisabetta Brenna^{*}, Claudio Fuganti, Francesco G. Gatti, Stefano Serra^{*}i⁺

Organocatalyzed enantioselective synthesis of 6-amino-5-cyanodihydropyrano[2,3-c]pyrazoles

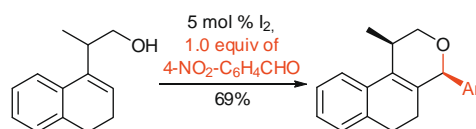
pp 2252–2255

Sanjib Gogoi, Cong-Gui Zhao *

**An expeditious synthesis of hexahydrobenzo[*f*]isochromenes and of hexahydrobenzo[*f*]isoquinoline via iodine-catalyzed Prins and aza-Prins cyclization**

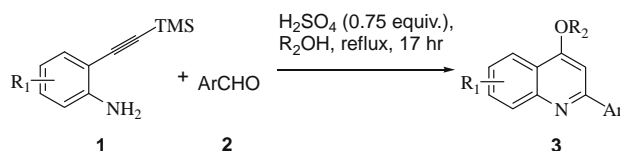
pp 2256–2260

Luiz F. Silva Jr., Samir A. Quintiliano

**Sulfuric acid promoted condensation cyclization of 2-(2-(trimethylsilyl) ethynyl)anilines with arylaldehydes in alcoholic solvents: an efficient one-pot synthesis of 4-alkoxy-2-arylquinolines**

pp 2261–2265

Yong Wang, Changlan Peng, Lanying Liu, Jiaji Zhao, Li Su, Qiang Zhu *

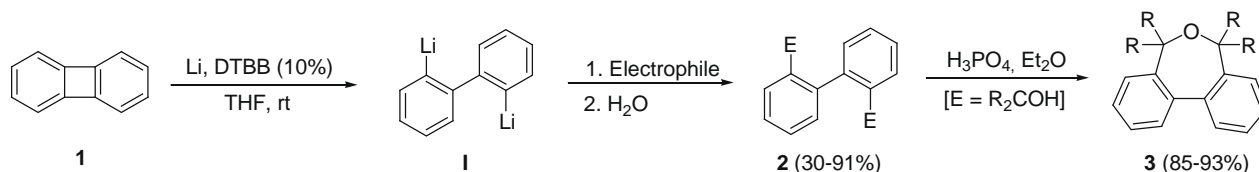


An efficient method for the synthesis of 4-alkoxy-2-arylquinolines has been developed. The reaction proceeds smoothly by heating a mixture of easily accessible 2-(2-(trimethylsilyl) ethynyl)anilines and arylaldehydes in alcoholic solvents in the presence of sulfuric acid.

2,2'-Dilithiobiphenyl by direct lithiation of biphenylene

pp 2266–2269

Victor J. Lillo, Cecilia Gómez *, Miguel Yus *



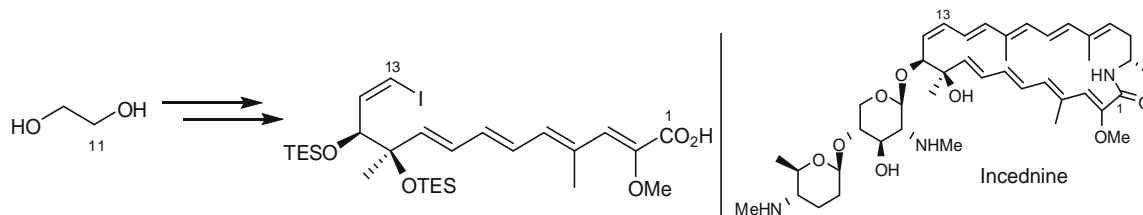
[Electrophile = H₂O, D₂O, Me₃SiCl, *t*-BuCHO, Et₂CO, *n*-Pr₂CO, (CH₂)₅CO, Ph₂CO and adamantanone]



Synthetic studies of incednine: synthesis of C1–C13 pentaenoic acid segment

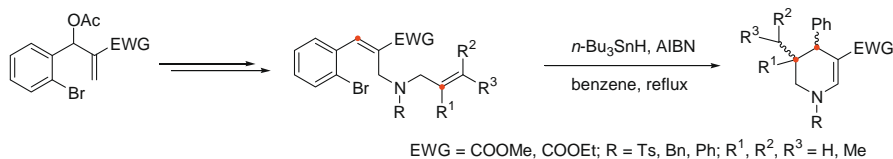
pp 2270–2273

Takashi Ohtani, Hiroshi Kanda, Kensuke Misawa, Yoshifumi Urakawa, Kazunobu Toshima *

**Synthesis of poly-substituted tetrahydropyridines from Baylis–Hillman adducts modified with *N*-allylamino group via radical cyclization**

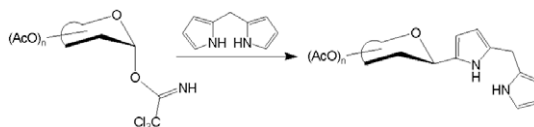
pp 2274–2277

Hyun Seung Lee, Eun Sun Kim, Sung Hwan Kim, Jae Nyoung Kim *

**Synthesis of glycosyl dipyrromethanes**

pp 2278–2280

Kha Tram, Westen MacIntosh, Hongbin Yan *



Glycosyl dipyrromethanes were synthesized by treatment of dipyrromethane with peracetylated sugar trichloroacetimidate in the presence of boron trifluoride diethyl etherate.



*Corresponding author

Supplementary data available via ScienceDirect

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