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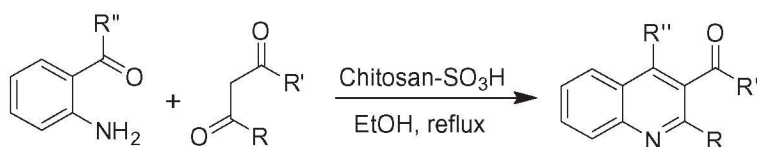
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Chitosan-SO₃H: an efficient, biodegradable, and recyclable solid acid for the synthesis of quinoline derivatives via Friedländer annulation pp 5767–5770

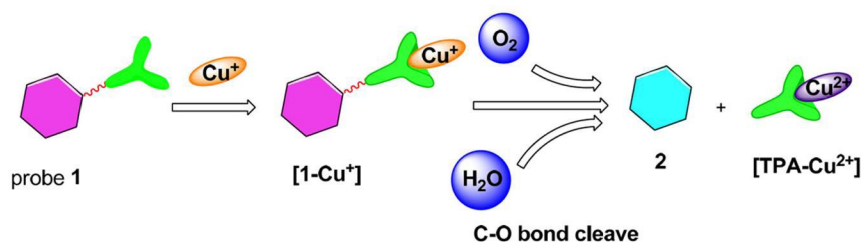
B. V. Subba Reddy*, A. Venkateswarlu, G. Niranjana Reddy, Y. V. Rami Reddy



Coumarin-TPA derivative: a reaction-based ratiometric fluorescent probe for Cu(I)

pp 5771–5774

Kang-Kang Yu, Kun Li*, Ji-Ting Hou, Xiao-Qi Yu*



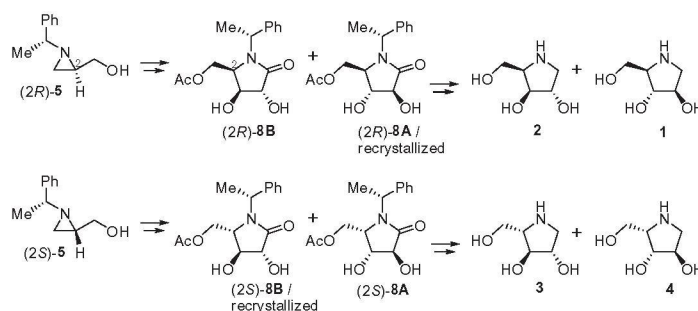
A coumarin-based reactive probe **1** is presented for the highly selective ratiometric detection of Cu⁺ in aqueous solutions under physiological reducing conditions.



An efficient synthesis of 1,4-dideoxy-1,4-imino-D- and L-arabinitol and 1,4-dideoxy-1,4-imino-D- and L-xylitol from chiral aziridines

pp 5775–5777

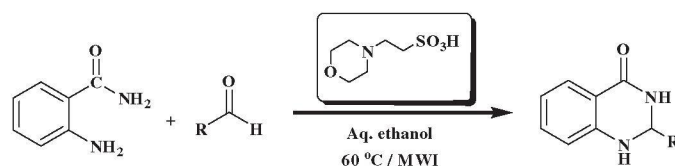
Hwan Geun Choi, Dong-Sik Park, Won Koo Lee, Taebo Sim*



A facile and rapid access towards the synthesis of 2,3-dihydroquinazolin-4(1H)-ones

pp 5778–5780

Vilas B. Labade, Pravin V. Shinde, Murlidhar S. Shingare*

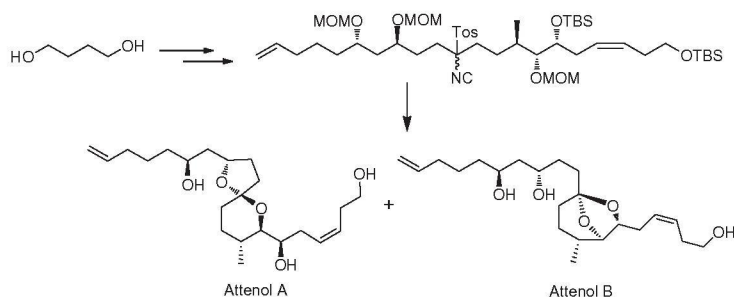


An efficient synthetic route for 2,3-dihydroquinazolin-4(1H)-ones using 2-morpholinoethanesulfonic acid as a potential and new organocatalyst is described. The developed synthetic protocol represents a novel and very simple route for the preparation of 2,3-dihydroquinazolin-4(1H)-one derivatives. In addition, microwave irradiation technique is successfully implemented for carrying out the reactions in shorter reaction times.

Total synthesis of attenols A and B

pp 5781–5784

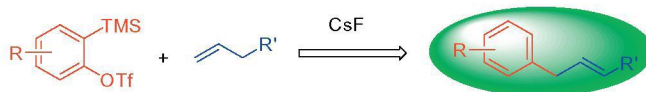
B. V. Subba Reddy*, B. Phaneendra Reddy, N. Swapnil, J. S. Yadav



Alder-ene reaction of aryne with olefins

pp 5785–5787

Zhao Chen, Jinhua Liang, Jun Yin*, Guang-Ao Yu, Sheng Hua Liu*



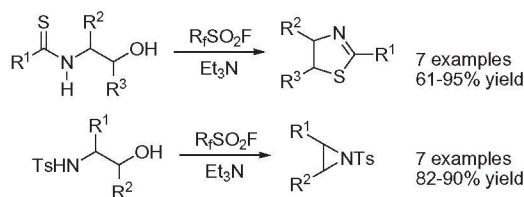
A novel intermolecular Alder-ene reaction based on aryne and olefins was developed. We performed this transformation under mild conditions such as at room temperature, and this reaction displayed high selectivity and good yields only in the presence of CsF. Hence, the intermolecular Alder-ene reaction of aryne with olefins provides an effective route to synthesize derivatives of olefins.



Fluoroalkanosulfonyl fluorides-mediated cyclodehydration of β -hydroxy sulfonamides and β -hydroxy thioamides to the corresponding aziridines and thiazolines

pp 5788–5790

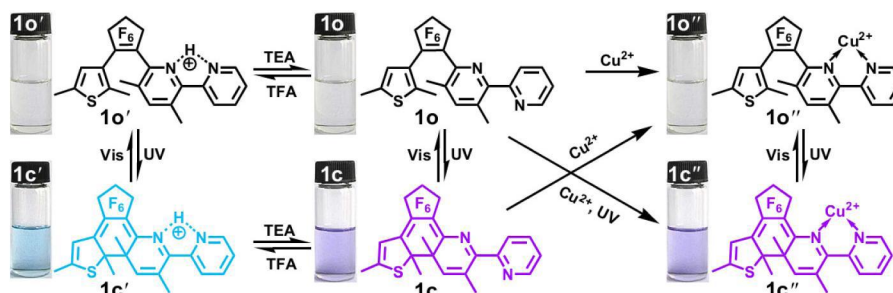
Zhaohua Yan*, Chengbo Guan, Zhangxin Yu, Weisheng Tian*



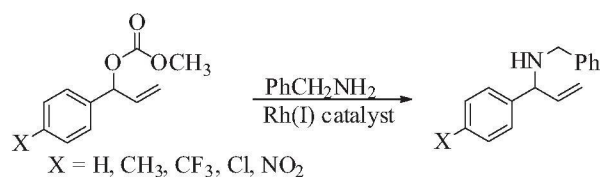
A sensitive sensor for Cu(II) based on a novel diarylethene with a bipyridyl moiety

pp 5791–5794

Chunhong Zheng, Gang Liu, Shouzhi Pu*

**Substituent effects on the amination of racemic allyl carbonates using commercially available chiral rhodium catalysts** pp 5795–5798

Timothy Atallah, Ronald L. Blankespoor*, Philip Homan, Chase Hulderman, Brian M. Samas, Kurt Van Allsburg, Derek C. Vrieze

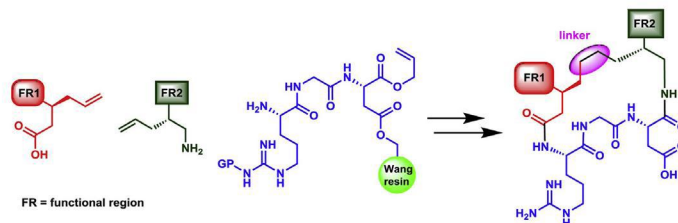


A competitive benzylamination of racemic allyl carbonates, substituted with *p*-X-Ph groups and in the presence of commercially available chiral catalysts, shows that the reaction goes faster as the substituent X becomes more electron-withdrawing. Mechanistic implications of this result are discussed.

**Synthesis of a macrocycle based on Linked Amino Acid Mimetics (LAAM)**

pp 5799–5801

David S. Maxwell, Duoli Sun, Zhenghong Peng, Diana V. Martin, Basvoju A. Bhanu Prasad, William G. Bornmann*

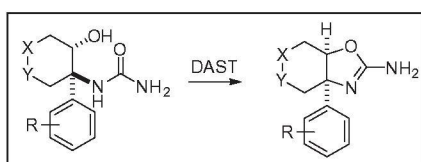


We report the synthesis of a macrocycle utilizing a novel framework of standard amino acids in combination with subunits that we have named as Linked Amino Acid Mimetics (LAAMs). Macrocycles based on the LAAM concept provide both a peptide targeting region and two independently variable functional regions. In the prototype structure, the commonly known Arg-Gly-Asp (RGD) sequence was used for the targeting region. The functional regions contain a phenyl group, and the linkage was formed via a Ring-Closing Metathesis (RCM) reaction.

**Diethylaminosulfur trifluoride-mediated intramolecular cyclization of 2-hydroxycycloalkylureas to fused bicyclic aminooxazoline compounds and evaluation of their biochemical activity against β -secretase-1 (BACE-1)**

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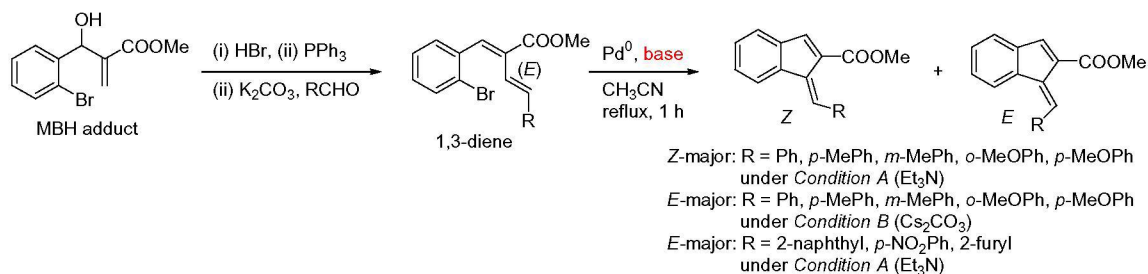
Malcolm P. Huestis, Wendy Liu, Matthew Volgraf, Hans E. Purkey, Christine Yu, Weirui Wang, Darin Smith, Guy Vigers, Darrin Dutcher, Kevin W. Hunt, Michael Siu*



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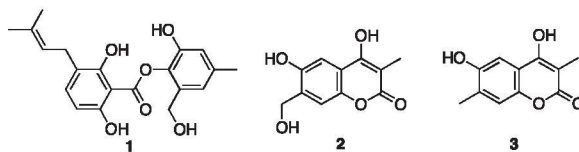
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Cheol Hee Lim, Ko Hoon Kim, Jin Woo Lim, Jae Nyoung Kim*


Induced production of novel prenyldepside and coumarins in endophytic fungi *Pestalotiopsis acaciae*

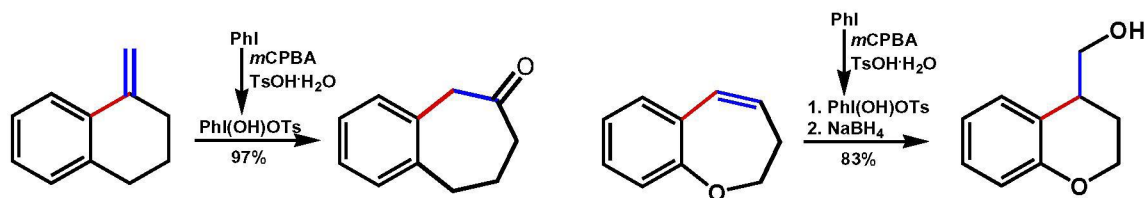
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Xiao-Long Yang, Takayoshi Awakawa, Toshiyuki Wakimoto, Ikuro Abe*


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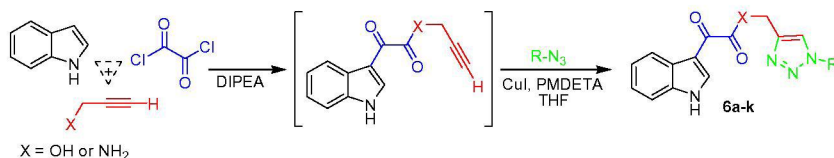
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Anees Ahmad, Paulo Scarassati, Nazli Jalalian, Berit Olofsson, Luiz F. Silva Jr.*


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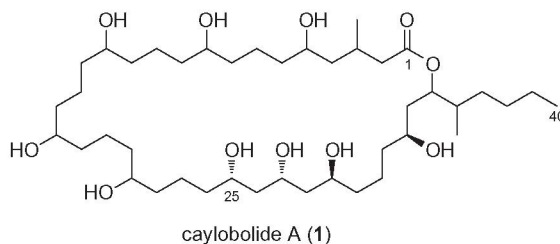
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Hélio A. Stefani*, Stanley N. S. Vasconcelos, Frederico B. Souza, Flàvia Manarin, Julio Zukerman-Schpector




Enantioselective synthesis of a potential 1,5-*syn*-polyol C1–C24 subunit of (–)-caylobolide A**pp 5826–5829**

Dripta De Joarder, Michael P. Jennings*



*Corresponding author

 Supplementary data available via ScienceDirect

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