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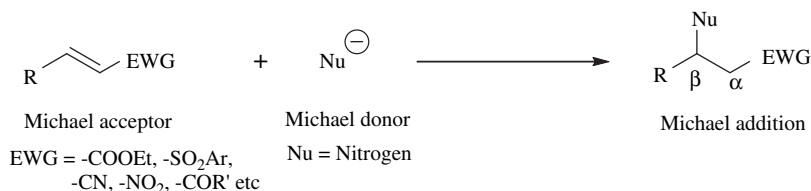
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Recent advances and applications in asymmetric aza-Michael addition chemistry

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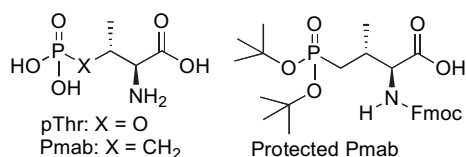


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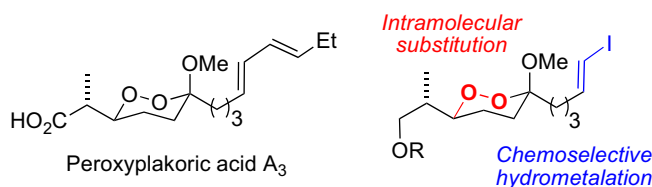
Fa Liu*, Jung-Eun Park, Kyung S. Lee, Terrence R. Burke, Jr.*



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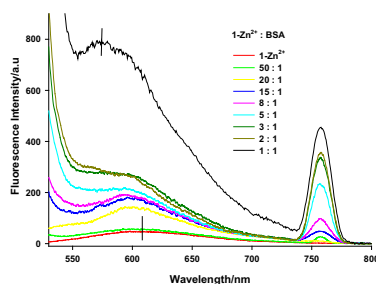
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**Zinc-supported azobenzene derivative-based colorimetric fluorescent ‘turn-on’ sensing of bovine serum albumin**

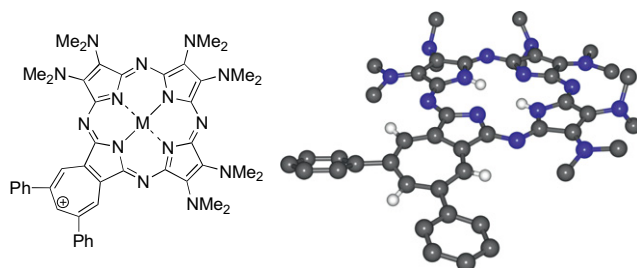
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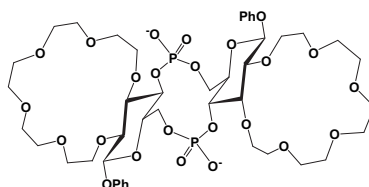
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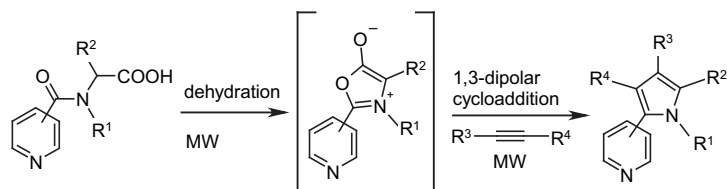
Cinzia Coppola, Ada Virno, Lorenzo De Napoli, Antonio Randazzo, Daniela Montesarchio*



Microwave-assisted synthesis of pyridylpyrroles from *N*-acylated amino acids

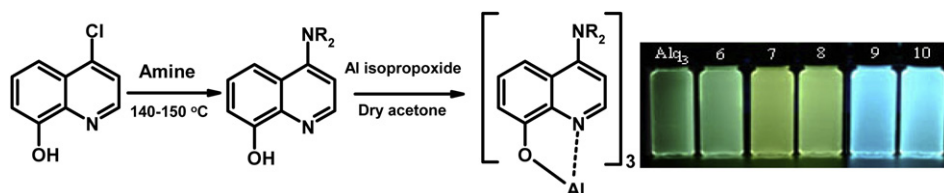
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**New Alq₃ derivatives with efficient photoluminescence and electroluminescence properties for organic light-emitting diodes**

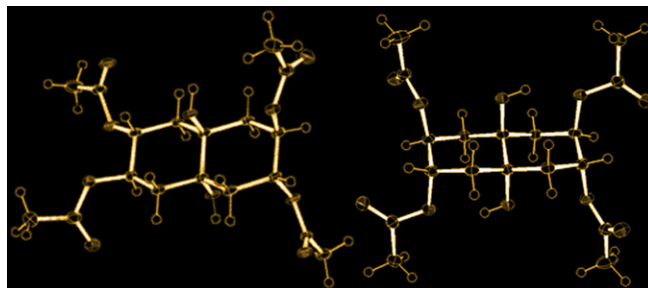
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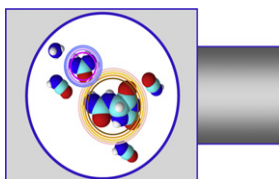
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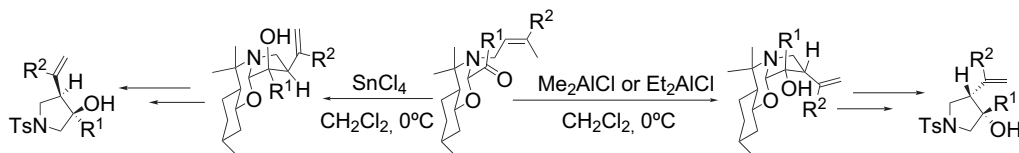
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Lewis acid mediated diastereoselective keto-ene cyclization on chiral perhydro-1,3-benzoxazines: synthesis of enantiopure *cis*-3,4-disubstituted 3-hydroxypyrrolidines

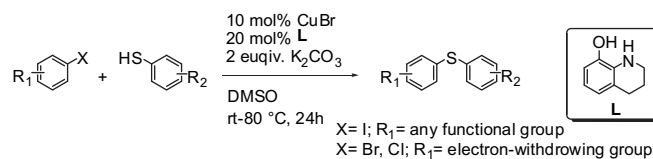
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Celia Andrés*, Israel González, Javier Nieto*, Carlos D. Rosón


A highly efficient and widely functional-group-tolerant catalyst system for copper(I)-catalyzed S-arylation of thiols with aryl halides

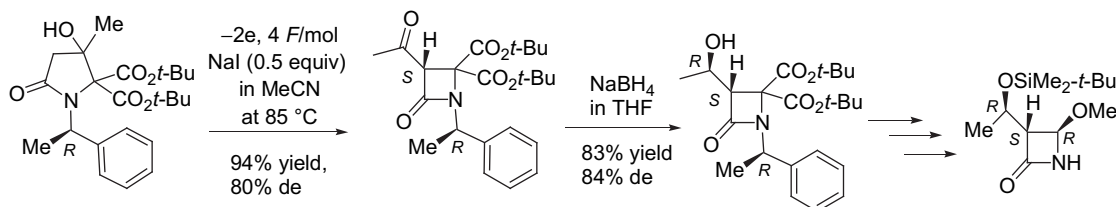
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Diastereoselective construction of azetidin-2-ones by electrochemical intramolecular C–C bond forming reaction

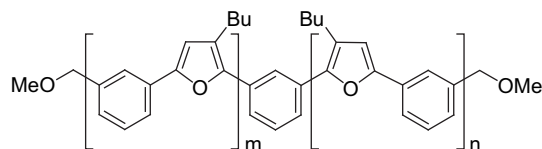
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Daishirou Minato, Satoshi Mizuta, Masami Kuriyama, Yoshihiro Matsumura, Osamu Onomura*


Alternating furanylene-*meta*-phenylene oligomers: synthesis and photophysics

pp 9749–9755

Chih-Ming Chou, Chih-Hsien Chen, Cheng-Lan Lin, Kuang-Wei Yang, Tsong-Shin Lim, Tien-Yau Luh*



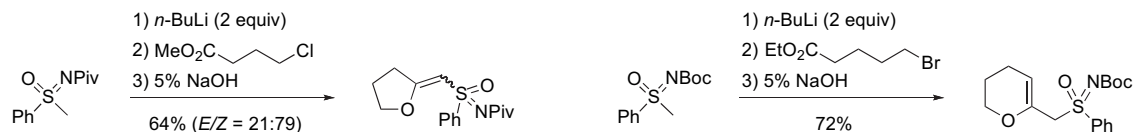
2a: m = 0, n = 1, b: m = n = 1, c: m = n = 2, d: m = n = 3, e: m = n = 5



Consecutive reactions with sulfoximines: a direct access to 2-sulfonimidoylylidene tetrahydrofurans and 6-sulfonimidoylmethyl-3,4-dihydro-2H-pyrans

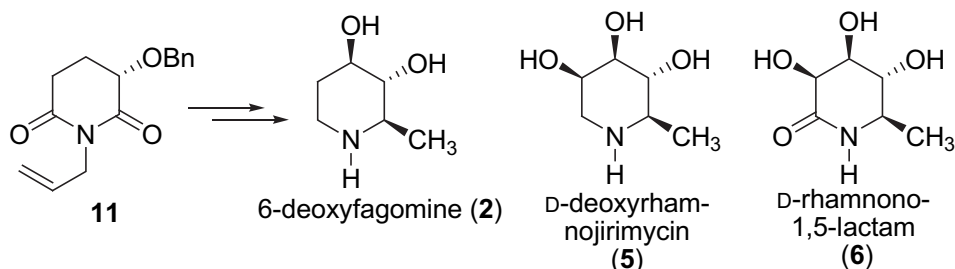
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Marie-Alice Virolleaud, Vellaisamy Sridharan, Damien Mailhol, Damien Bonne, Cyril Bressy, Gaëlle Chouraqui, Laurent Commeiras, Yoann Coquerel, Jean Rodriguez*


Asymmetric syntheses of 6-deoxyfagomin, D-deoxyrhamnojirimycin, and D-rhamnono-1,5-lactam

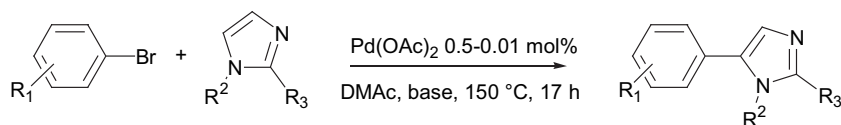
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Rui Fu, Yu Du, Zhao-Ying Li, Wei-Xuan Xu, Pei-Qiang Huang*


Phosphine-free palladium-catalysed direct 5-arylation of imidazole derivatives at low catalyst loading

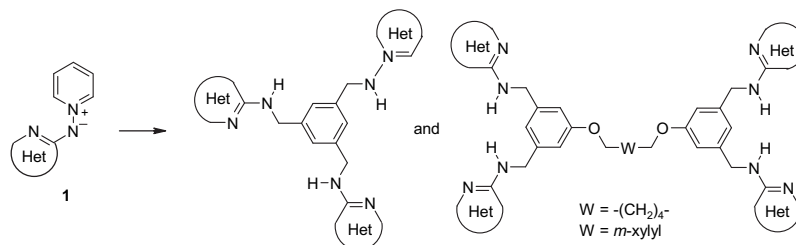
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Julien Roger, Henri Doucet*


Pyridinium N-heteroarylaminides: synthesis of N-heteroarylpolyamines

pp 9782–9790

Rafael R. Castillo, Marta Córdoba, M. Luisa Izquierdo, Julio Alvarez-Builla*

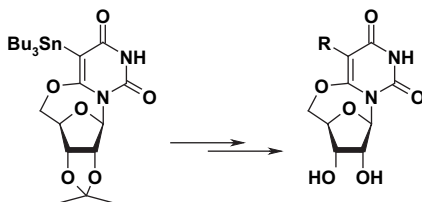


The synthesis of a set of new *N*-heteroarylpolyamines is reported. A multiple and regioselective alkylation on the exo nitrogen of pyridinium *N*-(heteroaryl)aminides **1** with several polybrominated compounds, followed by a clean N-N bond reduction of the corresponding pyridinium salts, provides an easy and general method to obtain title compounds.

Preparation of C-5-substituted 6,5'-O-anhydrouridine by Sn–Pd transmetalation-coupling process and their use

pp 9791–9796

Adam Mieczkowski, Jerome Blu, Vincent Roy, Luigi A. Agrofoglio*

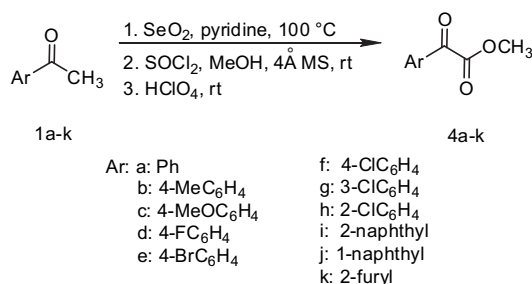


The palladium-catalyzed reaction of 5-tributylstannyluridine derivative (**9a**) with a variety of aryl, vinyl halides provides an efficient method for the synthesis of the corresponding 5-substituted 6,5'-O-anhydrouridines. Additionally the synthesis of 5-fluoro 6,5'-O-anhydrouridine via fluoro-destannylation with Selectfluor is described. A dialkylphosphonate moiety was then introduced at C5 position using cross-metathesis or lithiation.

One-pot efficient synthesis of aryl α -keto esters from aryl-ketones

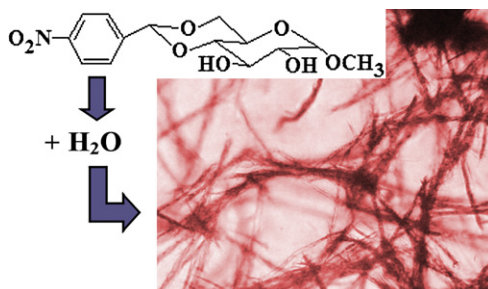
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Jing Zhuang, Changqing Wang, Fang Xie, Wanbin Zhang*

**Characterization of low molecular-weight gelator methyl-4,6-O-(*p*-nitrobenzylidene)- α -D-glucopyranoside hydrogels and water diffusion in their networks**

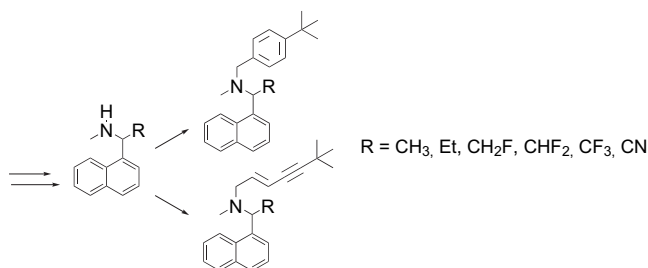
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Joanna Kowalczyk, Sławomir Jarosz, Jadwiga Tritt-Goc*

**Chiral derivatives of Butenafine and Terbinafine: synthesis and antifungal activity**

pp 9807–9813

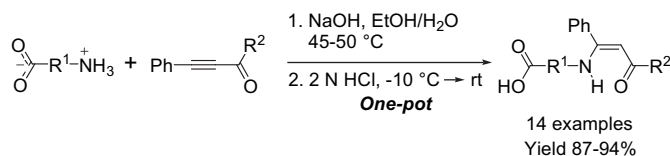
Erik Fuglseth, Eli Otterholt, Hanne Høgmoen, Eirik Sundby, Colin Charnock, Bård Helge Hoff*



Chemo-, regio- and stereospecific addition of amino acids to acylacetylenes: a facile synthesis of new *N*-acylvinyl derivatives of amino acids

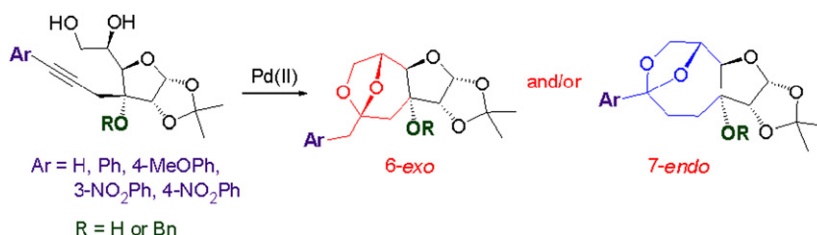
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**The influence of electronic factors on Pd-mediated cycloisomerization: a systematic investigation of competitive 6-*exo*-dig versus 7-*endo*-dig cyclizations of sugar alkynols**

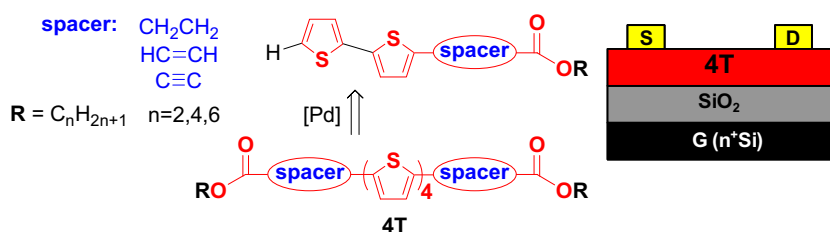
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C.V. Ramana*, Boddeti Induvadana, Burgula Srinivas, Kommagalla Yadagiri, Madhusudhan N. Deshmukh, Rajesh G. Gonnade

**Synthesis and characterization of α,ω -disubstituted quaterthiophenes functionalized with polar groups for solution processed OTFTs**

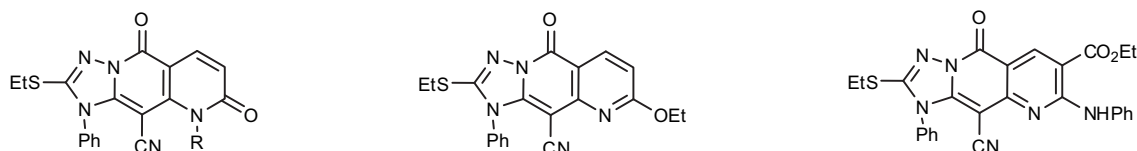
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**Naphthyridines. Part 3: first example of the polyfunctionally substituted 1,2,4-triazolo[1,5-g][1,6]naphthyridines ring system**

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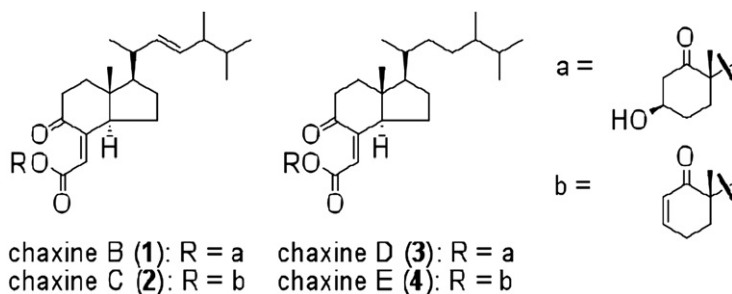
Ramadan Ahmed Mekheimer*, Yusria Rizk Ibrahim, Eltaib Ali Ahmed, Wolfgang Frey



Chaxines B, C, D, and E from the edible mushroom *Agrocybe chaxingu*

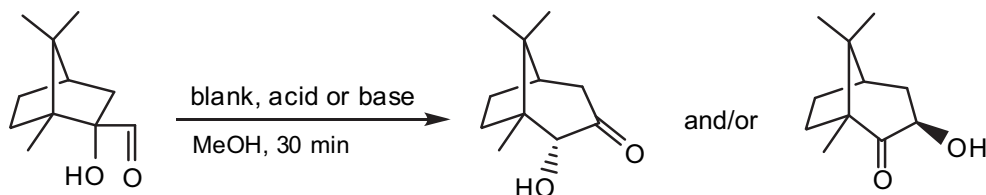
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Jae-Hoon Choi, Akihiro Ogawa, Nobuo Abe, Kikuko Masuda, Tomoyuki Koyama, Kazunaga Yazawa, Hirokazu Kawagishi*

**Regio- and stereoselective rearrangements of formyl [2.2.1]bicyclic carbinols in methanol**

pp 9854–9861

Te-Fang Yang*, Chih-Hao Tseng, Chien-Hung Shen, Li-Hsun Chen, Li-Ta Kao

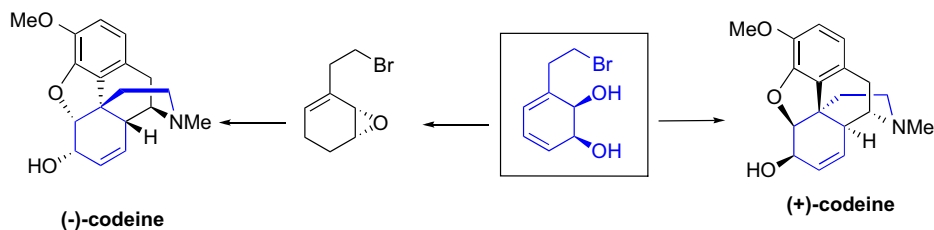


Both camphor- and camphene-derived formyl bicyclic carbinols could rearrange in methanol and give the corresponding [3.2.1]bicyclic hydroxy ketones.

Chemoenzymatic enantiodivergent total syntheses of (+)- and (–)-codeine

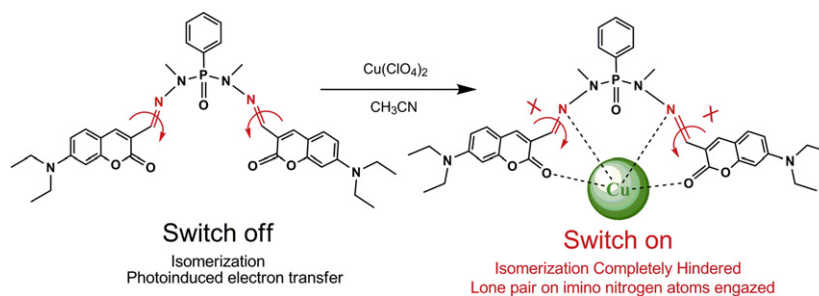
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Hannes Leisch, Alvaro T. Omori, Kevin J. Finn, Jacqueline Gilmet, Tyler Bissett, David Ilceski, Tomáš Hudlický*

**Phosphorus-supported multidentate coumarin-containing fluorescence sensors for Cu²⁺**

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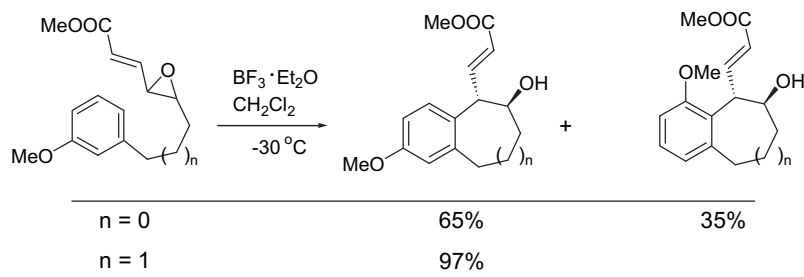
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Intramolecular Friedel–Crafts type reaction of vinyloxiranes linked to an ester group

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Shinji Nagumo*, Toshie Miura, Megumi Mizukami, Irie Miyoshi, Masanori Imai, Norio Kawahara, Hiroyuki Akita



*Corresponding author

i+ Supplementary data available via ScienceDirect

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