



## Tetrahedron Vol. 66, Issue 36, 2010

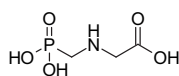
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## REPORT

## Amino acid chemistry in crop protection

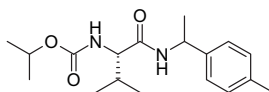
Clemens Lamberth\*

pp 7239–7256



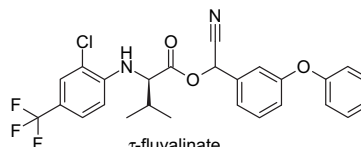
glyphosate,

a herbicide



iprovalicarb,

a fungicide

 $\tau$ -fluvalinate,

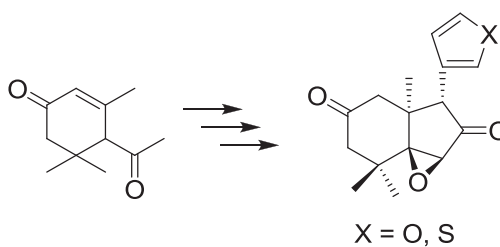
an insecticide

## ARTICLES

## Synthesis of limonoid CDE fragments related to limonin and nimbinin

A. Fernández-Mateos\*, P. Herrero Teijón, G. Pascual Coca, R. Rubio González, M.S.J. Simmonds

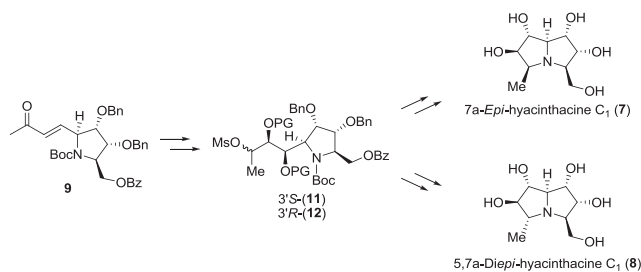
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**Synthesis of unnatural pentahydroxylated pyrrolizidines: 5-*epi*- and 5,7*a*-di-*epi*-hyacinthacine C<sub>1</sub>**

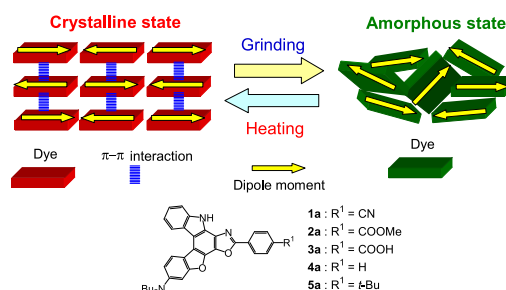
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Juan A. Tamayo\*, Francisco Franco\*, Fernando Sánchez-Cantalejo

**Mechanofluorochromism of heteropolycyclic donor– $\pi$ -acceptor type fluorescent dyes**

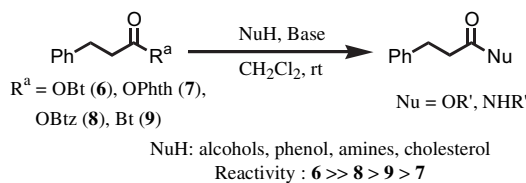
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Yousuke Ooyama, Genta Ito, Hiroshi Fukuoka, Tomoya Nagano, Yusuke Kagawa, Ichiro Imae, Kenji Komaguchi, Yutaka Harima\*

**Mechanistic studies of DCC/HOBt-mediated reaction of 3-phenylpropionic acid with benzyl alcohol and studies on the reactivities of 'active ester' and the related derivatives with nucleophiles**

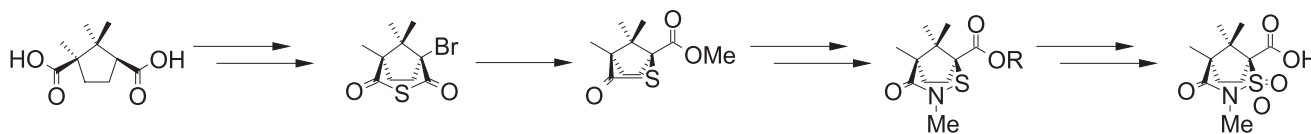
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Md. Chanmiya Sheikh\*, Shunsuke Takagi, Toshiaki Yoshimura\*, Hiroyuki Morita\*

**Camphoric acid derived sulfur containing bicyclic carboxylic acids as chiral auxiliaries in *N*-acyliminium ion chemistry**

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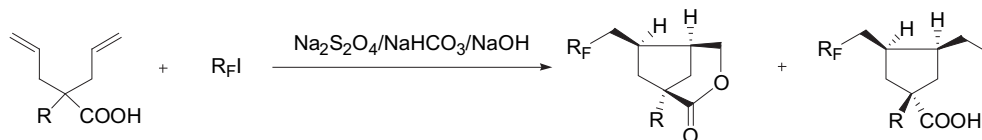
J. Bräckow, J. Pabel, P. Mayer, K. Polborn, K.T. Wanner\*



**Stereoselective cycloaddition–lactonization reaction of 2-allyl-4-pentenoic acids with polyfluoroalkyl iodides.**  
**An efficient synthesis of polyfluoroalkyl-containing bicyclic lactone derivatives**

pp 7288–7294

Xueyan Yang, Xianjin Yang\*, Wei Pan, Ying Wang, Wei Cai, Fanhong Wu\*



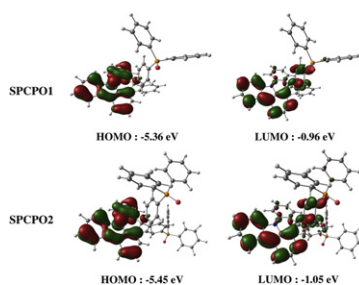
Polyfluoroalkyl-containing bicyclic lactones were synthesized via the sodium dithionite-initiated cycloaddition–lactonization reaction of 2-allyl-4-pentenoic acids and polyfluoroalkyl iodides. The chemo- and stereo-selectivity of the cycloaddition–lactonization reaction strongly depended on the space hindrance of 2-substituent in 2-allyl-4-pentenoic acids. The reaction was believed to proceed through a tandem free radical addition–lactonization process.



**Synthesis of fused phenylcarbazole phosphine oxide based high triplet energy host materials**

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Soon Ok Jeon, Jun Yeob Lee\*



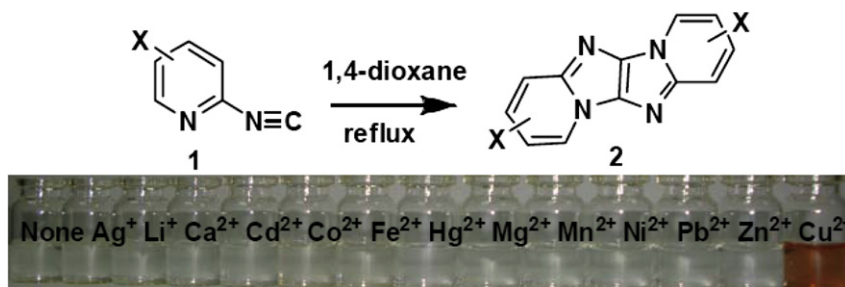
High triplet energy host materials based on novel fused phenylcarbazole core structure and diphenylphosphine oxide were synthesized and a high triplet energy of 2.95 eV could be obtained from the host materials.



**Dimerization of 2-pyridylisonitriles produces  $\pi$ -extended fused heteroarenes useful as highly selective colorimetric and optical probes for copper ion**

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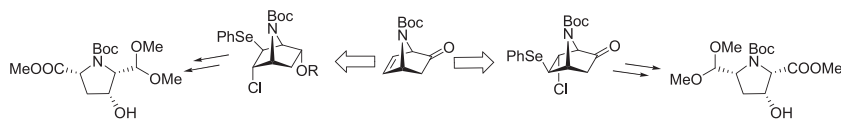
Na Shao, Guang-Xian Pang, Xiao-Rong Wang, Rui-Juan Wu, Ying Cheng\*



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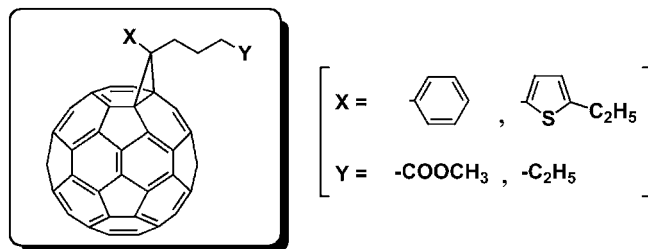
Apostina A. Ruggiu, Robert Łysek, Elena Moreno-Clavijo, Antonio J. Moreno-Vargas, Inmaculada Robina, Pierre Vogel\*



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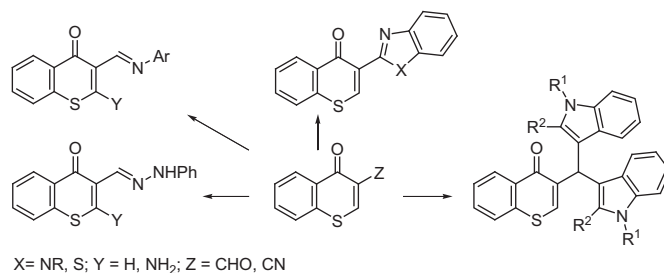
Kazuyuki Moriwaki\*, Fukashi Matsumoto, Yuko Takao, Daichi Shimizu, Toshinobu Ohno\*



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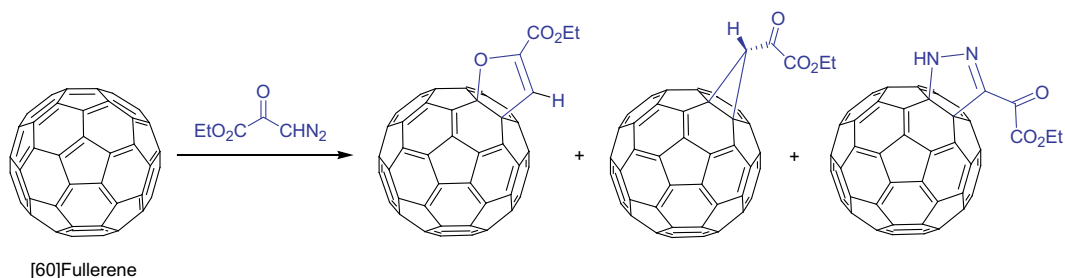
Vyacheslav Ya. Sosnovskikh\*, Dmitri V. Sevenard, Vladimir S. Moshkin, Viktor O. Iaroshenko, Peter Langer



### Thermal and catalytic reactions of ethyl diazopyruvate with [60]fullerene


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Marinella Roberti, Benedetto Natalini, Vincenza Andrisano, Roberta Seraglia, Antimo Gioiello, Roberto Pellicciari\*



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 Supplementary data available via ScienceDirect



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