

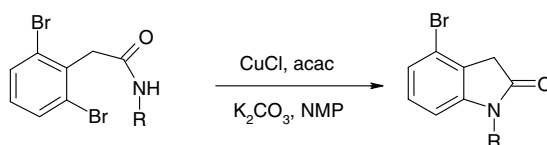
Contents

COMMUNICATIONS

An efficient synthesis of 4-bromo-N-substituted oxindoles by an intramolecular copper-catalyzed amidation reaction

pp 4461–4465

Adri van den Hoogenband,* Jos H. M. Lange, Jack A. J. den Hartog, Remco Henzen and Jan Willem Terpstra

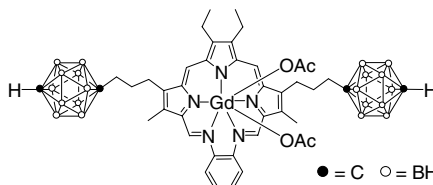


A highly efficient synthetic approach to novel 4-bromo-N-substituted oxindoles is described.

Synthesis of novel texaphyrins containing lanthanides and boron

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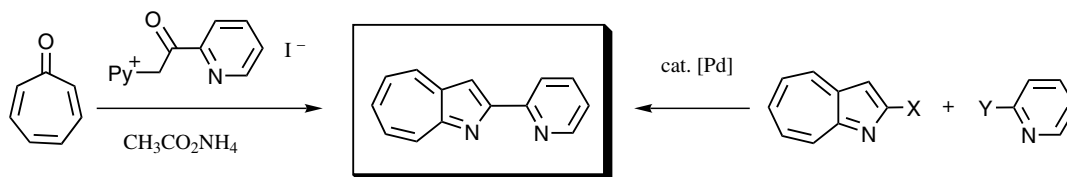
Achintya K. Bandyopadhyaya, Sureshbabu Narayanasamy,* Rolf F. Barth and Werner Tjarks



Synthesis and properties of 2-(2-pyridyl)-1-azaazulene

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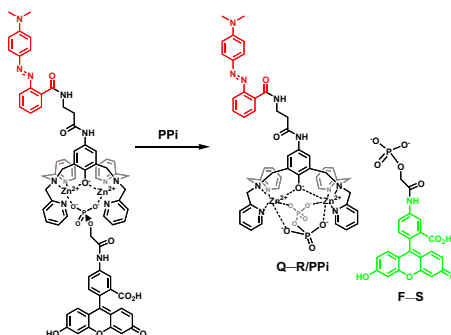
Mitsunori Oda,* Kazutaka Ogura, Nguyen Chung Thanh, Sayaka Kishi, Shigeyasu Kuroda, Kunihide Fujimori, Tomonori Noda and Noritaka Abe*



Quencher–fluorophore ensemble for detection of pyrophosphate in water

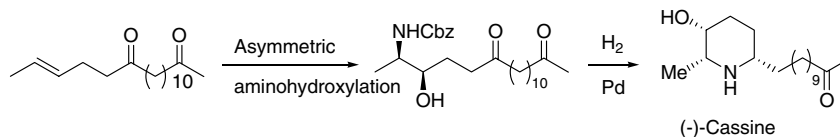
pp 4477–4480

Dong Hoon Lee, Soon Young Kim and Jong-In Hong*

**A new synthetic route to (-)-cassine via asymmetric aminohydroxylation**

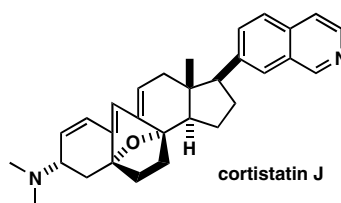
pp 4481–4483

Guncheol Kim* and Nakjeong Kim

**Cortistatins J, K, L, novel abeo-9(10-19)-androstane-type steroidal alkaloids with isoquinoline unit, from marine sponge *Corticium simplex***

pp 4485–4488

Shunji Aoki, Yasuo Watanabe, Daiki Tanabe, Andi Setiawan, Masayoshi Arai and Motomasa Kobayashi*



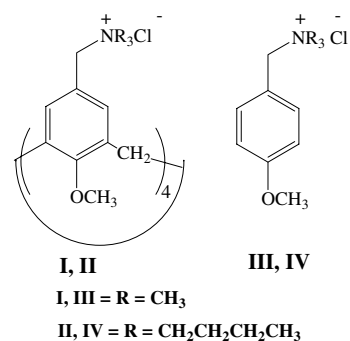
Three novel anti-angiogenic steroidal alkaloids, cortistatins J (1), K (2), L (3), have been isolated from the Indonesian marine sponge *Corticium simplex*. Cortistatin J showed cytostatic anti-proliferative activity against HUVECs at 8 nM, with 300–1000-fold selective index.

Catalytic investigations of calix[4]arene scaffold based phase transfer catalyst

pp 4489–4493

Pallavi Srivastava and Rajendra Srivastava*

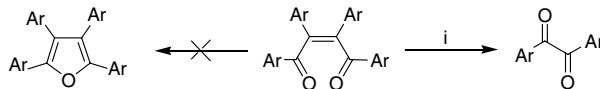
Calix[4]arene scaffold based quaternary ammonium salts as multi-site phase transfer catalysts were prepared and their catalytic activities were investigated for Darzens condensation, O/N-alkylation reactions and ethyl benzene oxidation. These calix[4]arene based multi-site phase transfer catalysts showed significant high catalytic activity as compared to single-site phase transfer catalysts.



Formic acid oxidatively cleaves 1,2,3,4-tetraaryl-2-butene-1,4-diones to 1,2-diaryl-1,2-ethanediones under microwave irradiation

pp 4495–4497

H. Surya Prakash Rao,* S. Jothilingam, K. Vasantham and Hans W. Scheeren



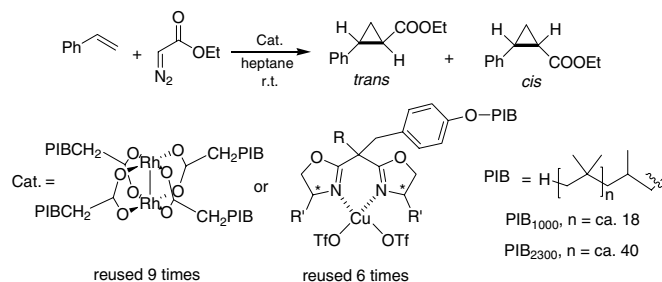
Reagents and conditions: (i) 85% HCOOH, concd H₂SO₄ (cat), MW, 2 min, 76–96%.



Soluble polyisobutylene-supported reusable catalysts for olefin cyclopropanation

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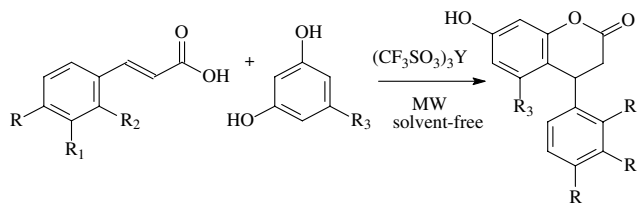
David E. Bergbreiter* and Jianhua Tian



An efficient and fast synthesis of 4-aryl-3,4-dihydrocoumarins by (CF₃SO₃)₃Y catalysis under microwave irradiation

pp 4505–4508

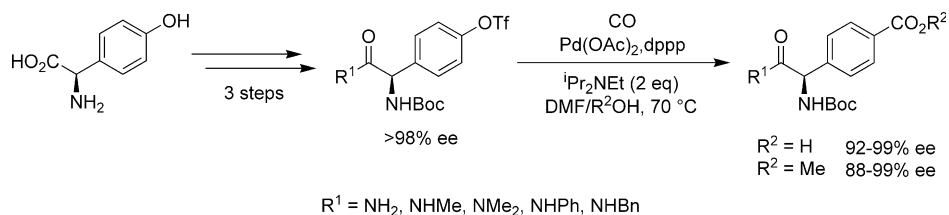
Cláudio E. Rodrigues-Santos and Aurea Echevarria*



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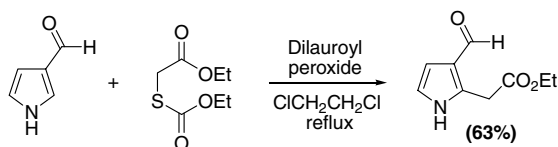
Jonathan B. Grimm,* Kevin J. Wilson and David J. Witter



Highly regioselective radical alkylation of 3-substituted pyrroles

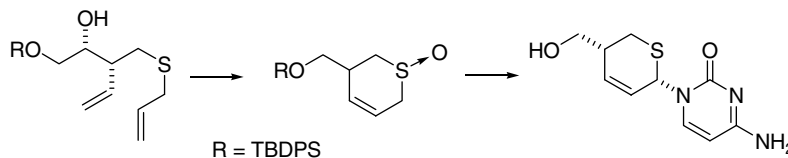
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Oscar Guadarrama-Morales, Francisco Méndez and Luis D. Miranda*

**Design and synthesis of a novel ring-expanded 4'-thio-*apio*-nucleoside derivatives**

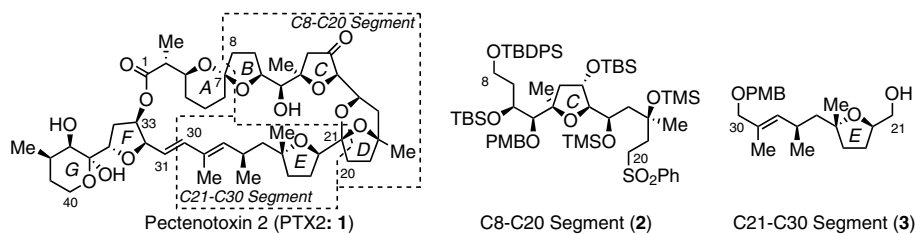
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Yuichi Yoshimura,* Yoshiko Yamazaki, Masatoshi Kawahata, Kentaro Yamaguchi and Hiroki Takahata*

**Synthesis of the C8–C20 and C21–C30 segments of pectenotoxin 2**

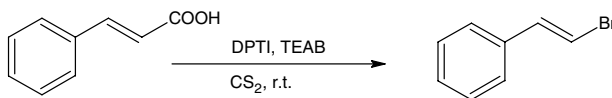
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**A novel system for decarboxylative bromination**

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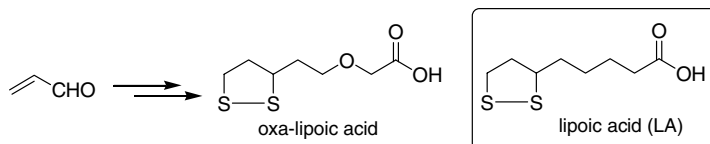
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Synthesis of an oxa-lipoic acid

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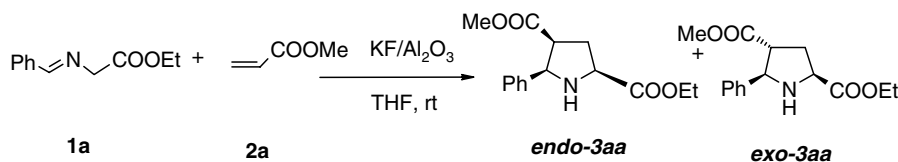
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KF/Al₂O₃ mediated 1,3-dipolar cycloaddition of azomethine ylides: a novel and convenient procedure for the synthesis of highly substituted pyrrolidines

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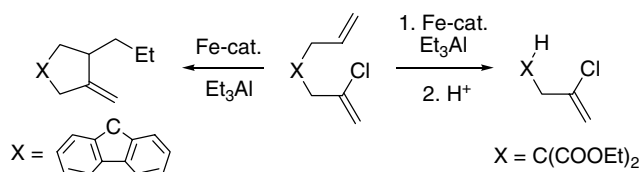
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Fe-Catalyzed reactions of 2-chloro-1,7-dienes and allylmalonates

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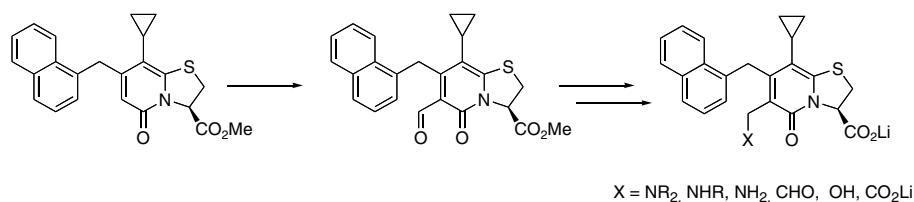
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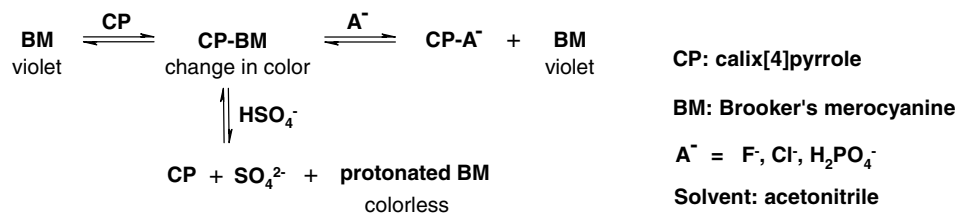
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An anionic chromogenic sensor based on the competition between the anion and a merocyanine solvatochromic dye for calix[4]pyrrole as a receptor site

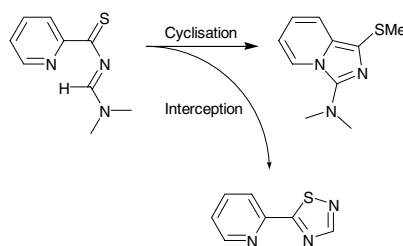
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**An improved synthesis of 2-(1,2,4-thiadiazol-5-yl)pyridine by interception of an intermediate involved in a competing cyclisation reaction**

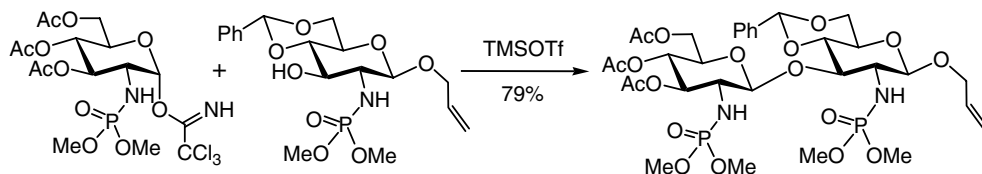
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Chris Richardson and Peter J. Steel*

**N-Dimethylphosphoryl-protected glucosamine trichloroacetimidate as an effective glycosylation donor**

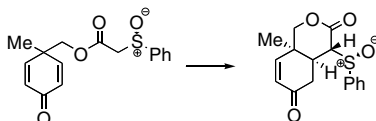
pp 4557–4560

You Yang and Biao Yu*

**Sulfoxide-directed desymmetrisation of cyclohexa-1,4-dienes**

pp 4561–4564

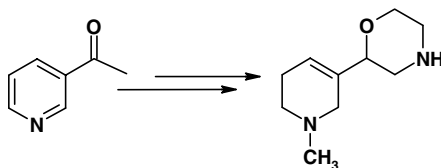
Mark C. Elliott,* Nahed Nasser Eid El Sayed and Li-ling Ooi



The cyclisation of enolate anions onto cyclohexadienes can be controlled by the use of a chiral sulfoxide.

An efficient synthesis of 2-(1-methyl-1,2,5,6-tetrahydropyridin-3-yl)morpholine: a potent M₁ selective muscarinic agonist pp 4565–4568

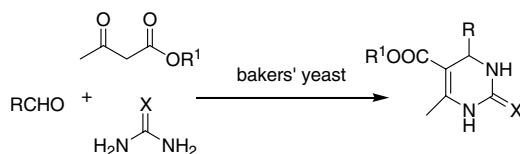
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An efficient bakers' yeast catalyzed synthesis of 3,4-dihydropyrimidin-2-(1H)-ones

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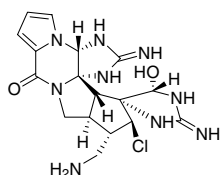
Atul Kumar* and Ram Awatar Maurya



Revised structure of palau'amine

pp 4573–4574

Malcolm S. Buchanan, Anthony R. Carroll and Ronald J. Quinn*



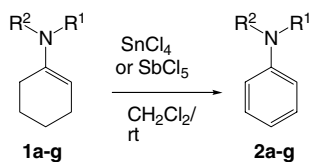
The structure of palau'amine, a bioactive hexacyclic pyrrole-imidazole alkaloid, from the sponge *Stylorella aurantium* was revised by detailed analysis of its 1D NOESY and 2D ROESY data.



SnCl₄ and SbCl₅ promoted aromatization of enamines

pp 4575–4578

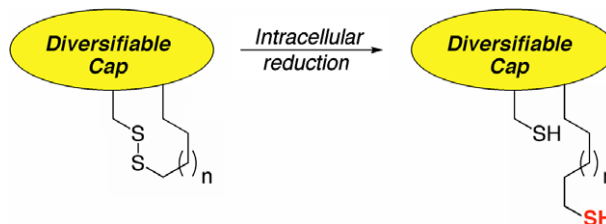
Mohammad Ali Bigdeli,* Abbas Rahmati, Hossein Abbasi-Ghadim and Gholam Hossein Mahdavinia



Cyclic disulfides as functional mimics of the histone deacetylase inhibitor FK-228

pp 4579–4583

Jared R. Mays, José A. Restituyo, Rebecca J. Katzenberger, David A. Wassarman and Scott R. Rajski*

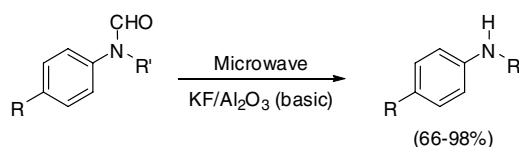


The synthesis and preliminary biological assessment of a panel of diversifiable cyclic disulfides is described. These agents are functional mimics of the potent histone deacetylase inhibitor FK-228.

**Microwave-assisted deformylation of *N*-aryl formamide by KF on basic Al₂O₃**

pp 4585–4588

Yiyu Ge and Longqin Hu*

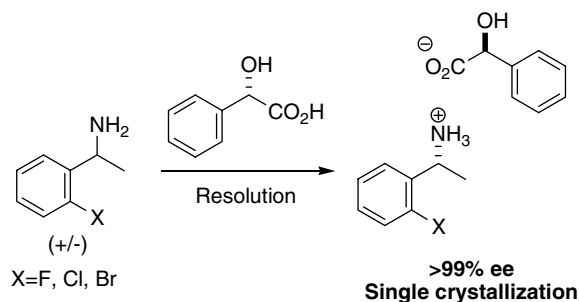


The formyl group was successfully removed from *N*-aryl formamide by KF on a solid support of basic Al₂O₃ in 4–20 min with microwave irradiation.

A highly efficient resolution protocol for 2'-halo- α -methylbenzylamines

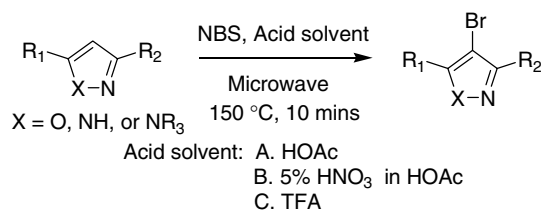
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Liane M. Klingensmith, Kelly A. Nadeau and George A. Moniz*

**A fast and efficient bromination of isoxazoles and pyrazoles by microwave irradiation**

pp 4595–4599

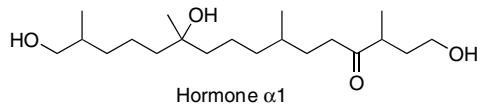
Guo Li,* Ramesh Kakarla and Samuel W. Gerritz



A fast and efficient bromination method has been developed for isoxazoles and pyrazoles using microwave irradiation. This method gives good yields for the bromination of highly unreactive isoxazoles and pyrazoles.

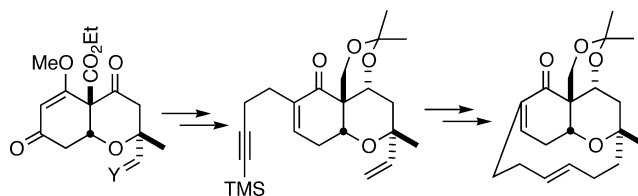


Synthesis and biological activity of a stereoisomeric mixture of the mating hormone of *Phytophthora* pp 4601–4603
 Arata Yajima,* Naoki Kawanishi, Jianhua Qi, Tomoyo Asano, Youji Sakagami, Tomoo Nukada and Goro Yabuta



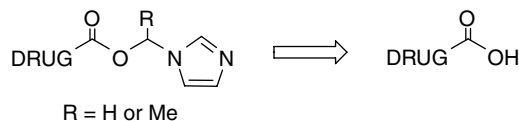
A stereoisomeric mixture of hormone α 1, the mating hormone of *Phytophthora*, was synthesized and confirmed to be bioactive.

Studies toward the synthesis of phomactin A. An approach to the macrocyclic core pp 4605–4607
 Dawei Teng, Bo Wang, Alex J. Augatis and Nancy I. Totah*



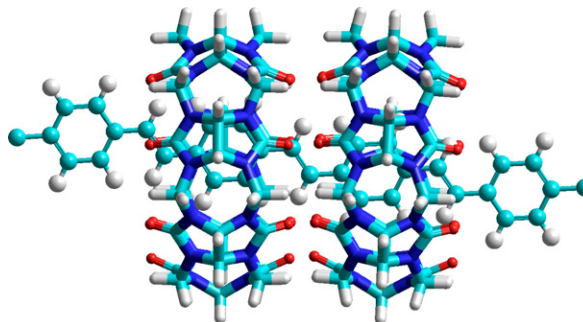
α -(1*H*-Imidazol-1-yl)alkyl (IMIDA) carboxylic acid esters as prodrugs of carboxylic acid containing drugs pp 4609–4611

Susruta Majumdar, Maren Mueller Spaeth, Sashikala Sivendran, Juha Juntunen, Joshua D. Thomas and K. B. Sloan*



A pseudopolyrotaxane consisting in PPV threaded in multiple cucurbiturils pp 4613–4617
 Avelino Corma,* Hermenegildo Garcia* and Pedro Montes-Navajas

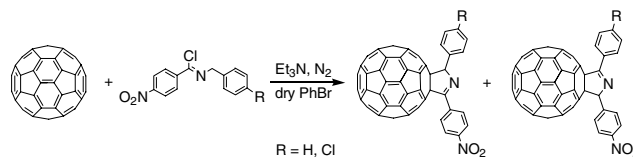
A necklace made of conducting polymer inserted in CB[7] has been prepared by polymerization of the monomer-CB complex.



Revisit to the reaction of [60]fullerene with nitrile ylides generated from imidoyl chlorides and triethylamine

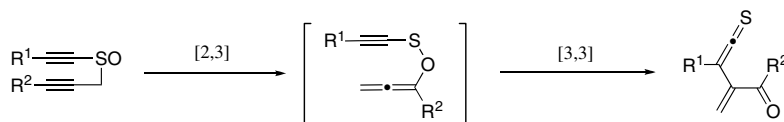
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Guan-Wu Wang* and Hai-Tao Yang


Novel generation of (α -ketovinyl)thioketenes as intermediates through tandem [2,3]/[3,3] sigmatropic rearrangement of alkynyl propargyl sulfoxides

pp 4639–4642

Shigenobu Aoyagi,* Muneyoshi Makabe, Kazuaki Shimada, Yuji Takikawa and Chizuko Kabuto


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Corrigendum

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*Corresponding author

Supplementary data available via ScienceDirect

Available online at www.sciencedirect.com

Abstracted/indexed in: AGRICOLA, Beilstein, BIOSIS Previews, CAB Abstracts, Chemical Abstracts, Chemical Engineering and Biotechnology Abstracts, Current Biotechnology Abstracts, Current Contents: Life Sciences, Current Contents: Physical, Chemical and Earth Sciences, Current Contents Search, Derwent Drug File, Ei Compendex, EMBASE/Excerpta Medica, Medline, PASCAL, Research Alert, Science Citation Index, SciSearch. Also covered in the abstract and citation database SCOPUS®. Full text available on ScienceDirect®



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