

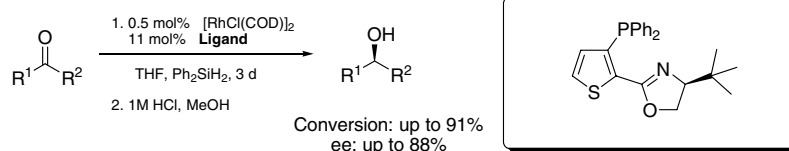
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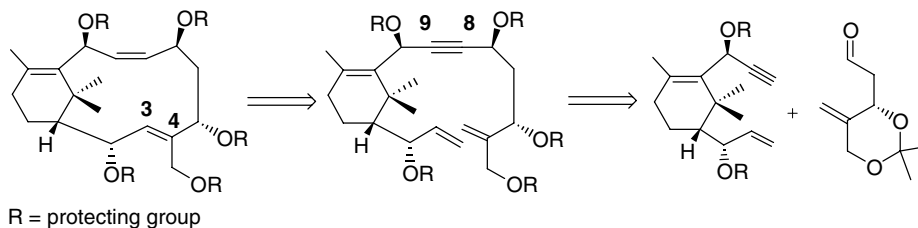
Anthony G. Coyne and Patrick J. Guiry*



Stereoselective synthesis of advanced intermediates en route to Taxuspine U and X: a study of macrocyclization via ring closing metathesis to highly constrained twelve-membered rings

pp 751–754

Elena Galletti, Stanislava I. Avramova, Michela L. Renzulli, Federico Corelli and Maurizio Botta*

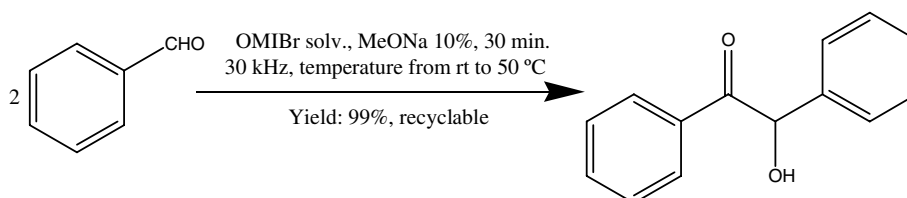


The stereoselective synthesis of an advanced intermediate en route to Taxuspine U and X has been accomplished using a ring closing metathesis strategy.

Neat benzoin condensation in recyclable room-temperature ionic liquids under ultrasonic activation

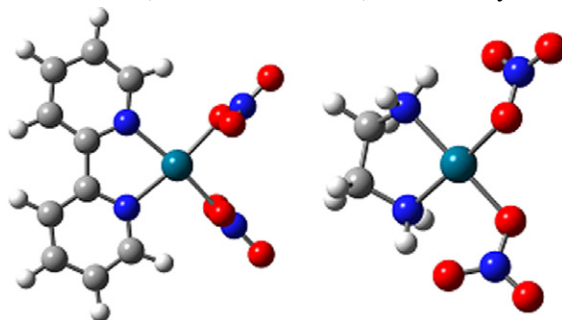
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Julien Estager, Jean-Marc Lévêque,* Raphaël Turgis and Micheline Draye

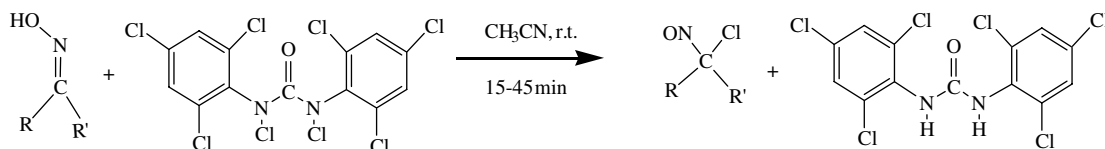


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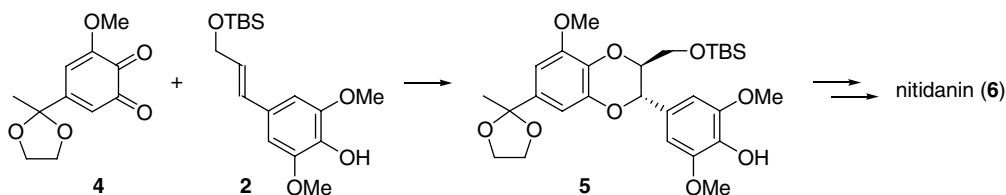
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A. K. Gupta, J. Acharya, D. Pardasani and D. K. Dubey*

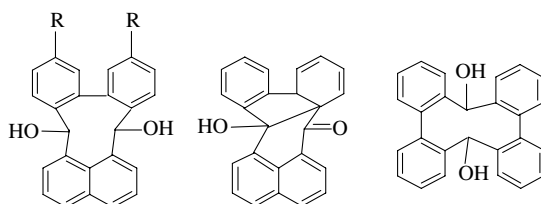

Total synthesis of (\pm)-nitidanin and novel procedures for determination of the location of the side chains on 1,4-benzodioxane pp 771–774

Atsuhito Kuboki,* Toru Yamamoto, Mamie Taira, Tetsuya Arishige and Susumu Ohira*


 Regioselective cycloaddition of *o*-quinone **4** and protected sinapyl alcohol **2** gave 1,4-benzodioxane **5**, which was converted to (\pm)-nitidanin (**6**).

Synthesis of functionalized polycyclic compounds via a novel aromatic oxy-Cope rearrangement pp 775–778

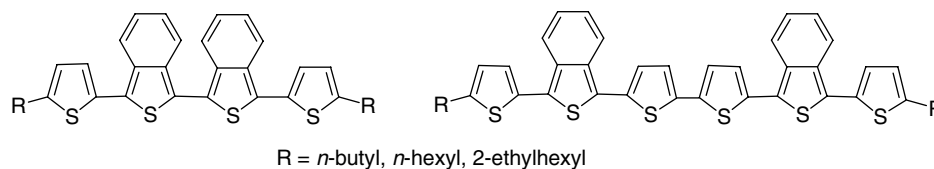
Syed Sulaiman Hussaini, A. R. Naresh Raj and C. A. M. A. Huq*


 Syntheses of polycyclic compounds by involving the π bonds of two phenyl rings in a [3,3] sigmatropic rearrangement are reported.


Synthesis of end-blocked thienyl oligomers incorporating benzo[*c*]thiophene

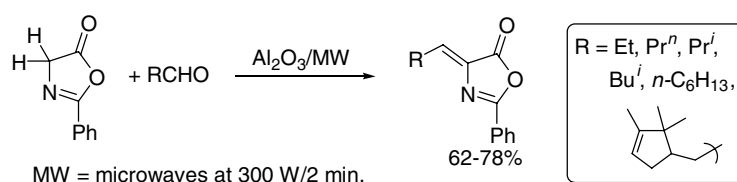
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Arasambattu K. Mohanakrishnan,* P. Amaladass and J. Arul Clement

**Erlenmeyer azlactone synthesis with aliphatic aldehydes under solvent-free microwave conditions**

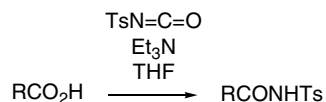
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Sosale Chandrasekhar* and Phaneendrasai Karri

**Facile preparation of *N*-acylsulfonamides by using sulfonyl isocyanate**

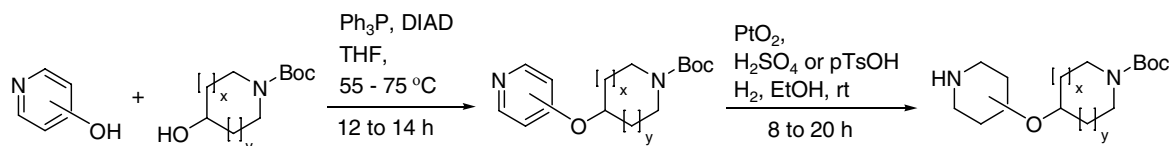
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Shino Manabe,* Tomoyuki Sugioka and Yukishige Ito*

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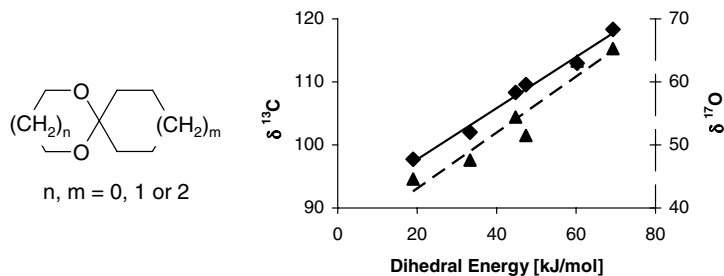
Jianhua Chao,* Mariam Israiel, Junying Zheng and Cynthia Aki



Correlation between ^{13}C and ^{17}O chemical shifts and torsional strain in spiroacetals

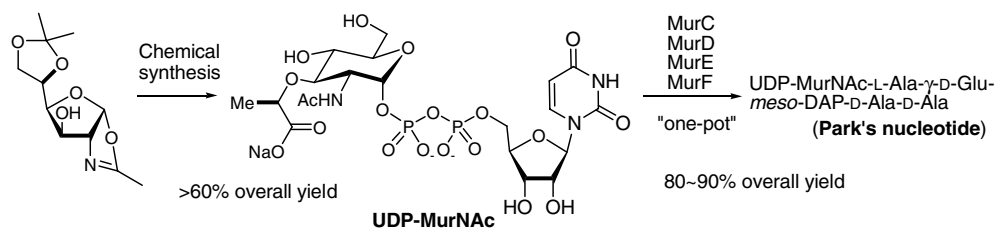
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Jorge Antonio Guerrero-Alvarez* and Armando Ariza-Castolo*

**Chemoenzymatic synthesis of Park's nucleotide: toward the development of high-throughput screening for *MraY* inhibitors**

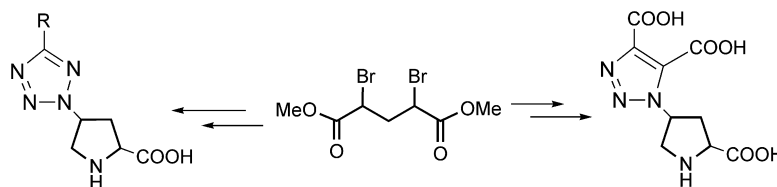
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Michio Kurosu,* Sebabrata Mahapatra, Prabakaran Narayanasamy and Dean C. Crick

**Synthesis of new tetrazole and triazole substituted pyroglutamic acid and proline derivatives**

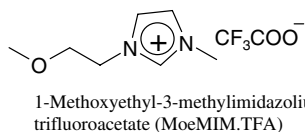
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Fatimazohra Lenda, Farhate Guenoun, Jean Martinez and Frédéric Lamaty*

**Enhanced solubility and selective benzylation of nucleosides in novel ionic liquid**

pp 809–812

Vineet Kumar, Virinder S. Parmar* and Sanjay V. Malhotra*

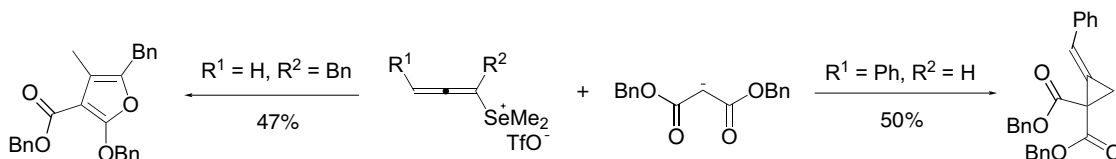


Solubility and benzylation study of both ribo- and deoxyribonucleosides is reported in a new ionic liquid MoeMIM.TFA; high selectivity for O-benzylation is achieved.

The first isolation of allenylselenonium salts: their synthesis and properties as electrophiles

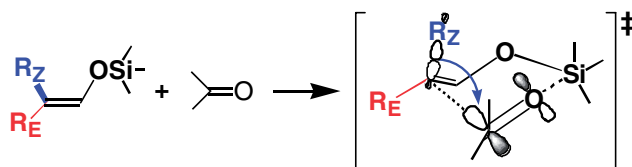
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**Geminal bond participation in the uncatalyzed Mukaiyama aldol reaction**

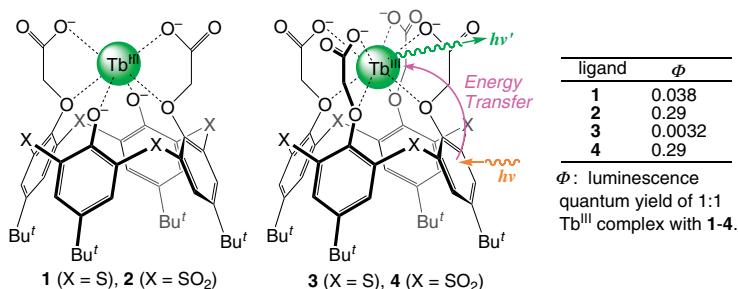
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Yuji Naruse, Shigeyuki Fukasawa, Shohei Ota, Aya Deki and Satoshi Inagaki*

An electron-donating C–R_Z σ-bond promotes the reaction.**Di- and tetracarboxylate ligands for highly luminescent terbium(III) complexes on the basis of sulfonycalix[4]arene scaffold**

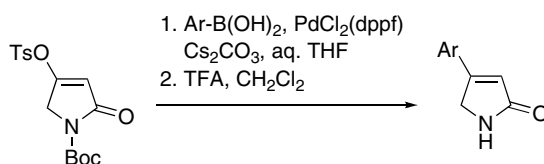
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Takayuki Horiuchi, Nobuhiko Iki,* Hitoshi Hoshino, Chizuko Kabuto and Sotaro Miyano

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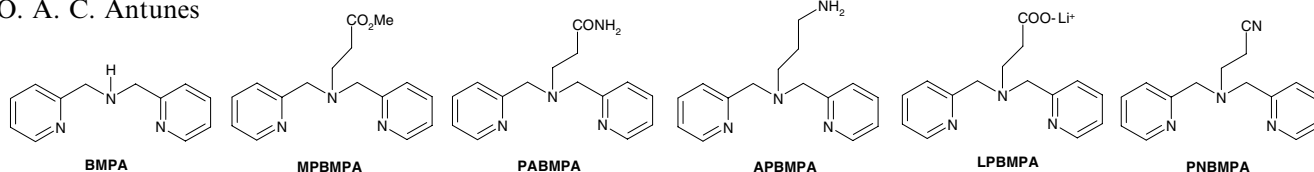
Sarah J. P. Yoon-Miller, Suzanne M. Opalka and Erin T. Pelkey*



Microwave-assisted synthesis of *N,N*-bis-(2-pyridylmethyl)amine derivatives. Useful ligands in coordination chemistry

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Luiz Claudio F. Pimentel, Andréa Luzia F. de Souza,* Tatiana López Fernández, James L. Wardell and O. A. C. Antunes

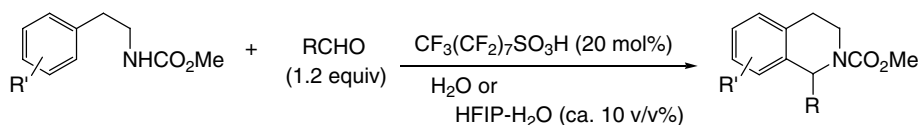


Microwave-assisted synthesis of the ligands *N,N*-bis-(2-pyridylmethyl)amine (BMPA), *N*-(methylpropanoate)-*N,N*-bis-(2-pyridylmethyl)amine (MPBMPA), *N*-(propanamide)-*N,N*-bis-(2-pyridylmethyl)amine (PABMPA), *N*-(3-propionitrile)-*N,N*-bis-(2-pyridylmethyl)amine (PNBMPA), *N*-(3-aminopropyl)-*N,N*-bis-(2-pyridylmethyl)amine (APBMPA), and lithium *N*-(propanoate)-*N,N*-bis-(2-pyridylmethyl)amine (LiPBMPA) are reported.

Pictet–Spengler reactions catalyzed by Brønsted acid-surfactant-combined catalyst in water or aqueous media

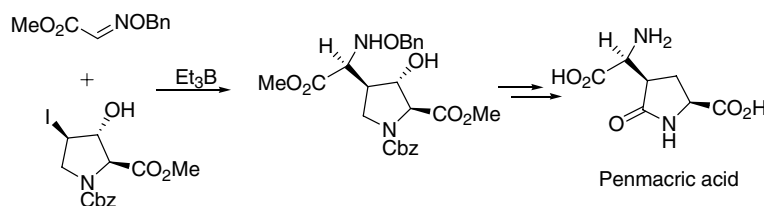
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Akio Saito,* Junko Numaguchi and Yuji Hanzawa*


First total synthesis of penmacric acid and its stereoisomer

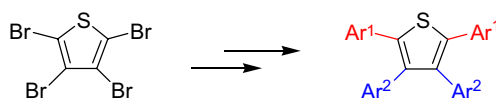
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Masafumi Ueda, Ayako Ono, Dai Nakao, Okiko Miyata and Takeaki Naito*


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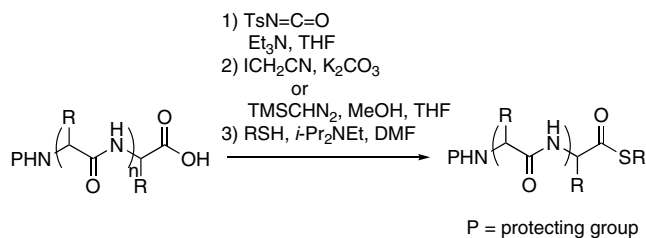
Thanh Tuan Dang, Nasir Rasool, Thanh Tung Dang, Helmut Reinke and Peter Langer*



Facile peptide thioester synthesis via solution-phase tosylamide preparation

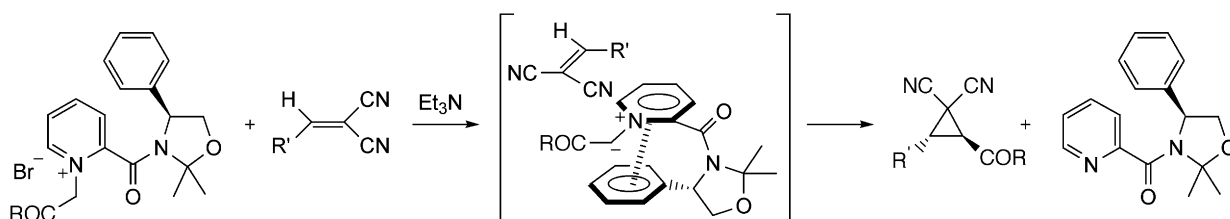
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Shino Manabe,* Tomoyuki Sugioka and Yukishige Ito*

**Enantioselective cyclopropanation reaction using a conformationally fixed pyridinium ylide through a cation– π interaction**

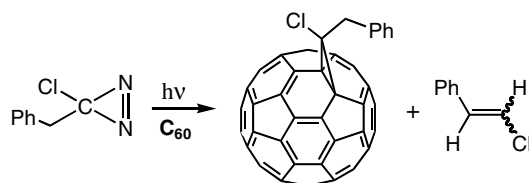
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Shinji Yamada,* Jun Yamamoto and Emiko Ohta

**Determination of the photolytic decomposition pathways of benzylchlorodiazirine by C₆₀ probe technique**

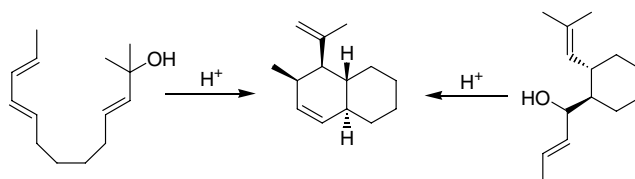
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Midori O. Ishitsuka, Haruka Enoki, Hideo Nikawa, Takatsugu Wakahara, Takahiro Tsuchiya, Takeshi Akasaka* and Michael T. H. Liu*

i⁺**A mechanistic study on the intramolecular ionic Diels–Alder reaction of 2-methyl-3,9,11-tridecatriene-2-ol and 2,11-dimethyl-1,3,9,11-dodecatetraene**

pp 863–867

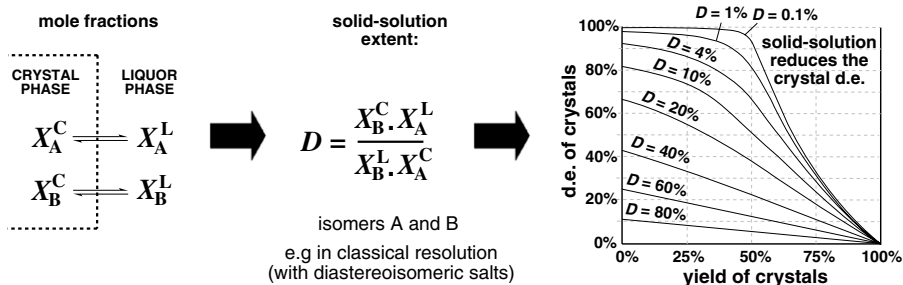
Yoon-Joo Ko, Seung-Bo Shim and Jung-Hyu Shin*

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A measure of the solid-solution extent useful for crystallisation resolution studies

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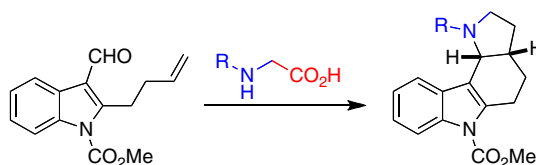
Raymond McCague



Synthesis of tetracyclic indole-containing ring systems by intramolecular cycloadditions of azomethine ylides

pp 873–875

Iain Coldham,* Benjamin C. Dobson, Andrew I. Franklin and Stephen R. Fletcher

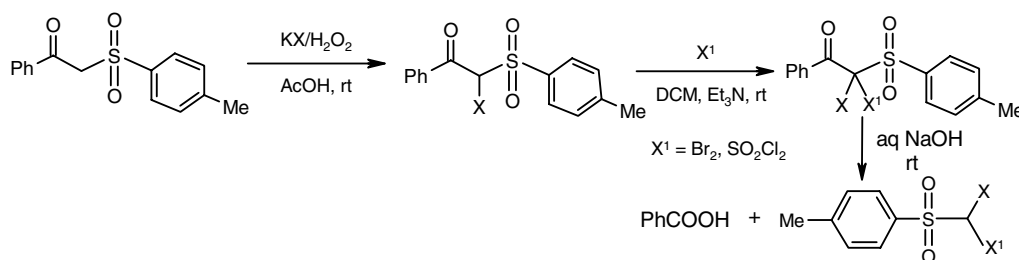


Cycloadditions of azomethine ylides derived from indole-3-carboxaldehydes were highly stereoselective and were used in a formal synthesis of deethylbophyllidine.

Chemoselective mono halogenation of β -keto-sulfones using potassium halide and hydrogen peroxide; synthesis of halomethyl sulfones and dihalomethyl sulfones

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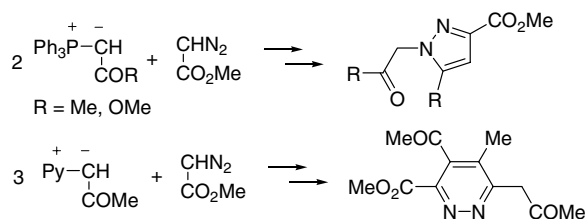
N. Suryakiran, P. Prabhakar, T. Srikanth Reddy, K. Chinni Mahesh, K. Rajesh and Y. Venkateswarlu*



A new method for the synthesis of azaheterocycles based on cascade reactions of nitrogen- and phosphorus-containing ylides with methyl diazoacetate

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Yury V. Tomilov,* Dmitry N. Platonov, Dmitry V. Dorokhov and Oleg M. Nefedov

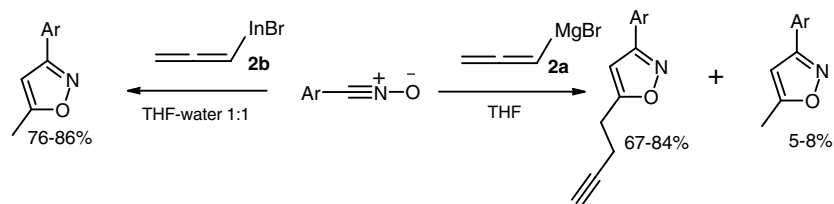


A new approach to functionally substituted pyrazoles and pyridazines based on the interaction of diazoesters with triphenylphosphonium or pyridinium carbonyl ylides is described.

Reaction of allenylmagnesium and allenylindium bromides with nitrile oxides: synthesis of novel 5-butynyl- and 5-methylisoxazoles

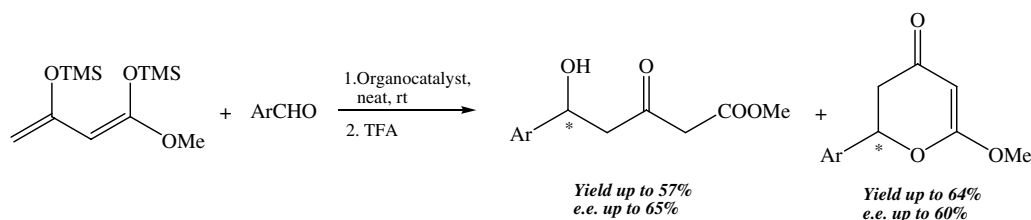
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H. M. Sampath Kumar,* Parvinder Pal Singh, Syed Shafi, Pitta Bhaskar Reddy, Kankala Shrivankumar and Doma Mahender Reddy

**Enantioselective vinylogous aldol reaction of Chan's diene catalyzed by hydrogen-bonding**

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Rosaria Villano,* Maria Rosaria Acocella, Antonio Massa, Laura Palombi and Arrigo Scettri*



*Corresponding author

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