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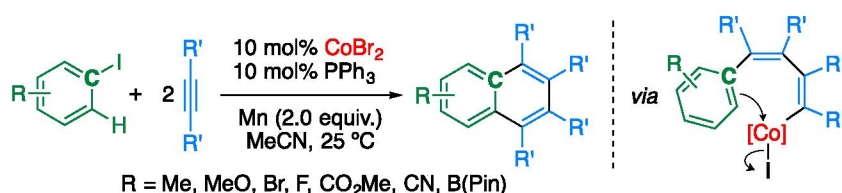
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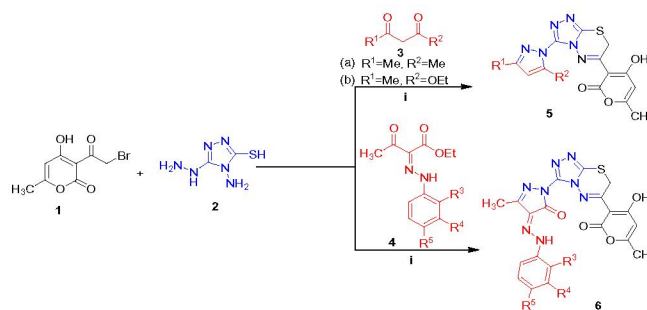
Kimihiko Komeyama*, Tetsuya Kashihara, Ken Takaki*



An efficient one-pot synthesis of pyrazolyl-[1,2,4]triazolo[3,4-*b*][1,3,4]thiadiazin-6-yl)-2*H*-pyran-2-one derivatives via multicomponent approach and their potential antimicrobial and nematocidal activities

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Santhosh Penta, Kranthi Kumar Gadidasu, Srinivas Basavoju, Vedula Rajeswar Rao*



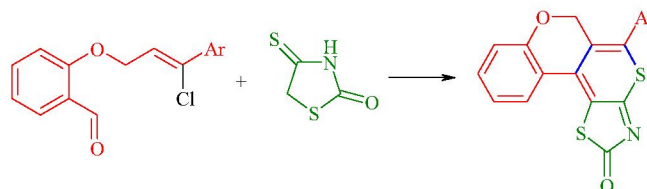
A multicomponent cyclocondensation of 3-(2-bromoacetyl)-4-hydroxy-6-methyl-2*H*-pyran-2-one with 4-amino-5-hydrazino-4*H*-[1,2,4]triazol-3-thiol and acetyl acetone/EAA or ethyl-2-(2-arylhydrazono)-3-oxobutanoates is described for the synthesis of pyrazolyl-[1,2,4]triazolo[3,4-*b*][1,3,4]thiadiazin-6-yl)-2*H*-pyran-2-one derivatives and evaluated for their antimicrobial activity.



A four-step domino Knoevenagel–hetero-Diels–Alder reaction

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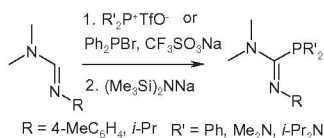
Andriy O. Bryhas, Vasyl S. Matiychuk, Tadeusz Lis, Vasyl Kinzhyballo, Victor V. Smalius, Mykola D. Obushak*



Facile synthesis of C-phosphanylformamidines via a carbene pathway

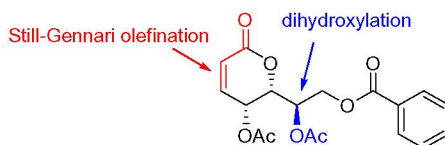
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Anatoliy Marchenko, Georgyi Koidan, Anastasiya Hurieva, Aleksandr Savateev, Aleksandr Kostyuk*

**Enantioselective construction of 6-substituted- α,β -unsaturated- δ -lactone: total synthesis of anti-bacterial agent (-)-cleistenolide**

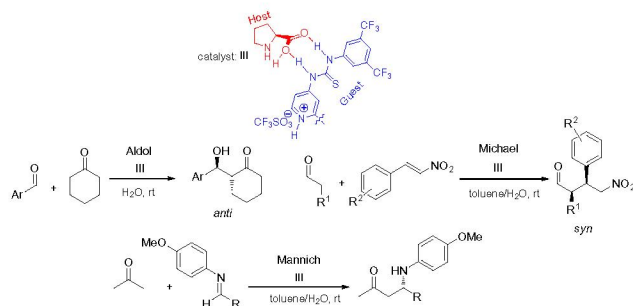
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Ramesh S. Ghogare, Sachin B. Wadavrao, A. Venkat Narsaiah*

**Synthesis of a bipyridine-derived achiral thiourea trifluoromethanesulfonic acid salt and its application as an additive in organocatalytic asymmetric reactions**

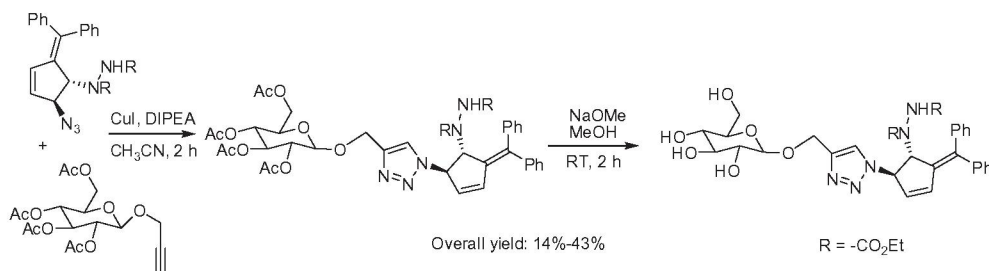
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Ayhan Sitki Demir, Sinan Basceken*

**Synthesis and biological evaluation of carbohydrate appended hydrazinocyclopentenes with potent glycation and α -glucosidase inhibition activities**

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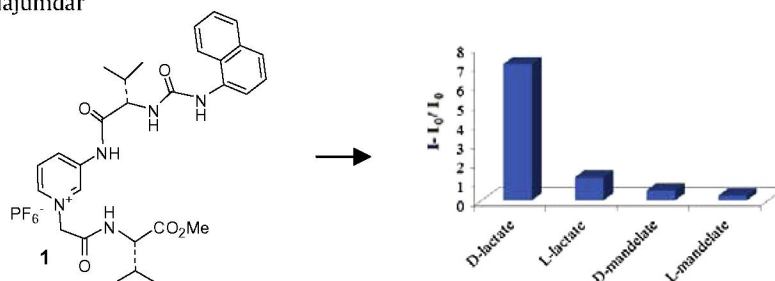
K. R. Ajish, Nayana Joseph, M. Priya Rani, K. G. Raghu*, V. P. Vineetha, K. V. Radhakrishnan*



Enantioselective sensing of lactate by pyridinium-based chiral receptor

pp 5686–5689

Kumaresh Ghosh*, Anupam Majumdar

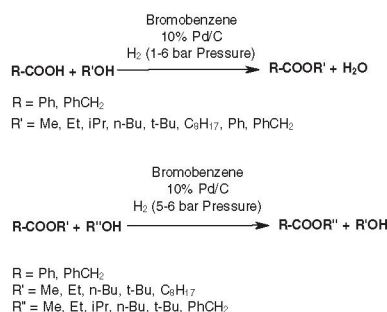


A simple pyridinium-based chiral receptor **1** containing L-valine as the chiral source has been designed and synthesized. The receptor **1** fluorometrically recognizes D-lactate over L-lactate in CH₃CN with enantiomeric fluorescence difference ratio (ef) of 5.32.

**Palladium on carbon–bromobenzene mediated esterification and transesterification**

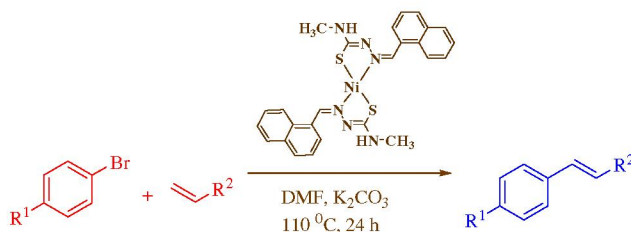
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Sanjeev Kumar Aavula*, Anil Chikkulapalli, N. Hanumanthappa, Indira Jyothi, C. H. Vinod Kumar, Sulur G. Manjunatha

**Nickel(II) thiosemicarbazone complex catalyzed Mizoroki–Heck reaction**

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Pandimuni Kalpaga Suganthy, Rupesh Narayana Prabhu, Venugopal Shamugham Sridevi*

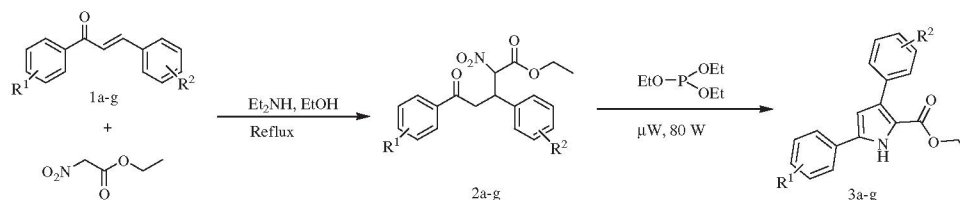


Square planar nickel(II) thiosemicarbazone complex was synthesized and characterized. The new complex acts as an effective homogeneous catalyst for the Mizoroki–Heck reaction of aryl bromides with various olefins. The effects of base and catalyst loading on the catalytic activity of the complex were also investigated.

**A solvent-free synthesis of ethyl 3,5-diaryl-1H-pyrrole-2-carboxylates via triethylphosphite mediated reductive cyclization of ethyl 2-nitro-5-oxo-3,5-diarylpentanoates under microwave irradiation**

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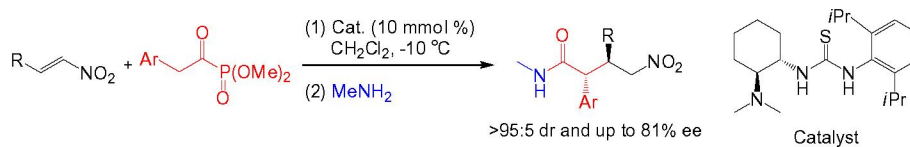
Rajni Khajuria, Yeshwinder Saini, Kamal K. Kapoor*



Organocatalyzed asymmetric Michael reaction of β -aryl- α -ketophosphonates and nitroalkenes

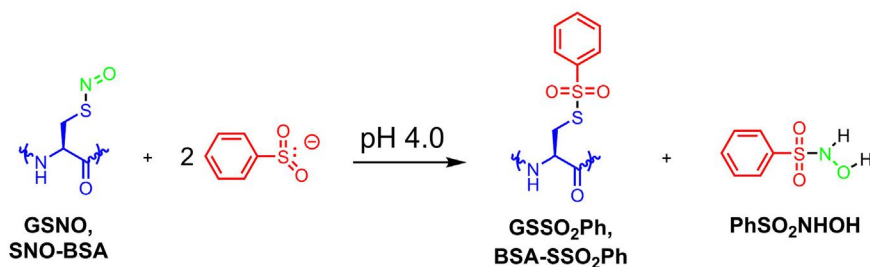
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Jie Guang, John Cong-Gui Zhao*

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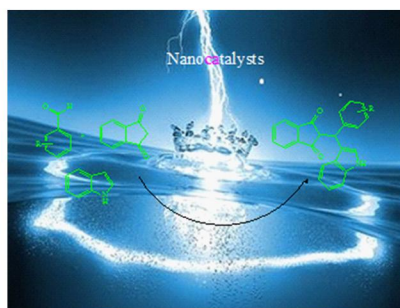
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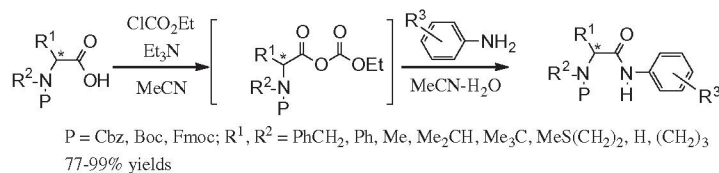
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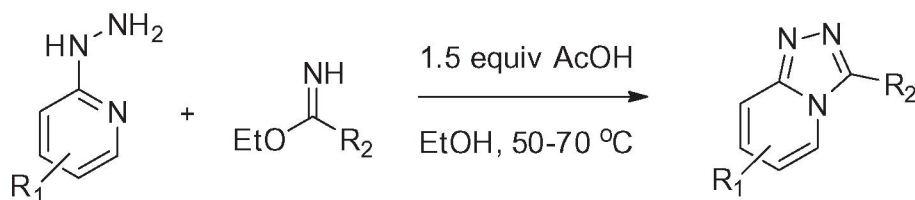
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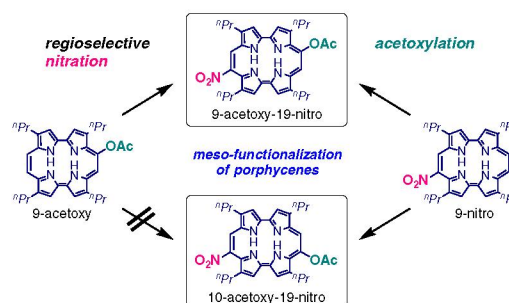
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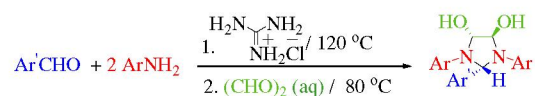
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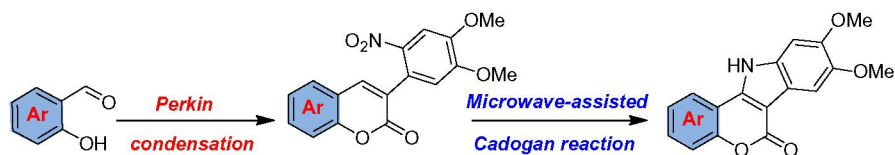
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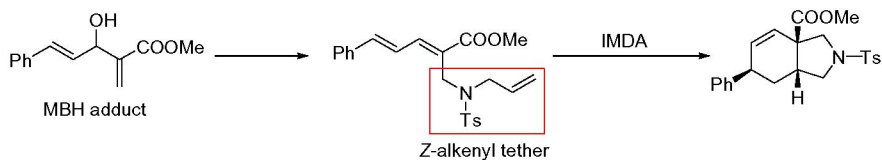
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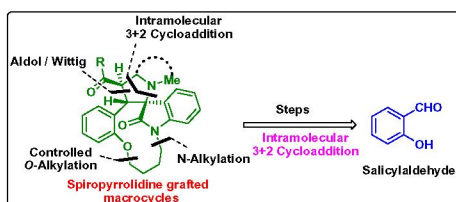
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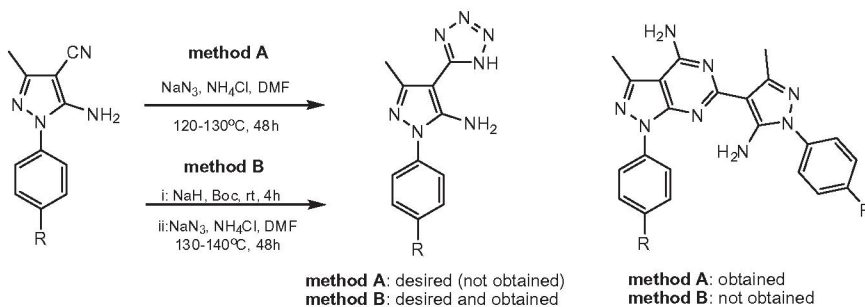
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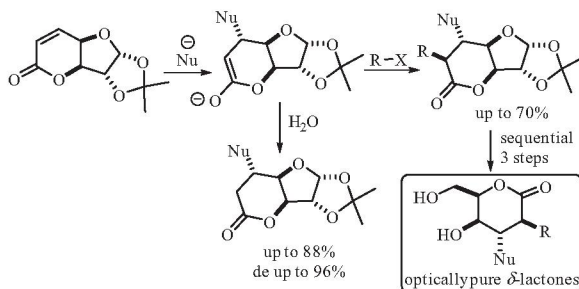
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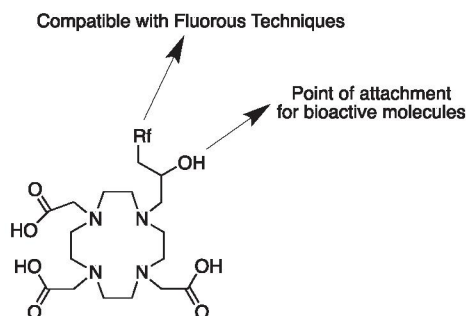
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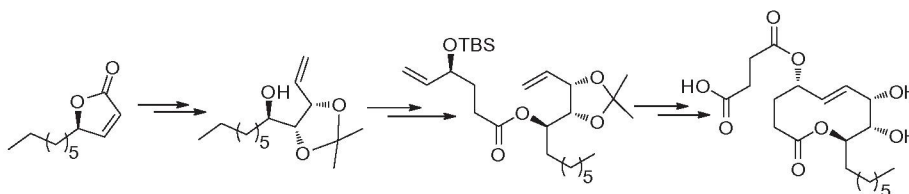
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Raphaël Hoareau, Peter J. H. Scott*

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B. V. Subba Reddy*, P. Sivaramakrishna Reddy, B. Phaneendra Reddy, J. S. Yadav, Ahamad Al Khazim Al Ghamdi



*Corresponding author

Supplementary data available via ScienceDirect

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