

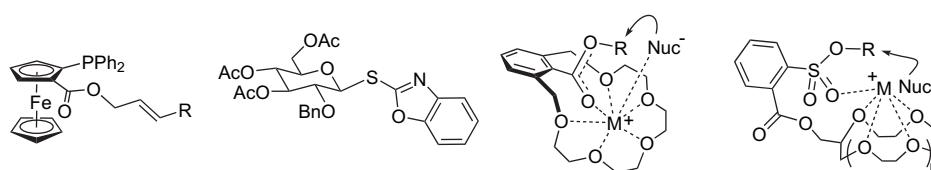
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REPORT

Recent advances in heterolytic nucleofugal leaving groups

Salvatore D. Lepore* and Deboprosad Mondal

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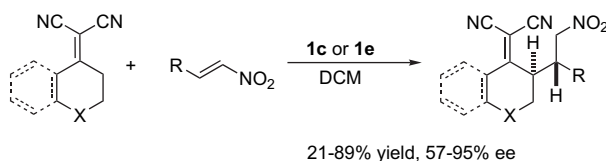
An overview of recent developments in heterolytic leaving group chemistry is provided including discussions of recent chiral, organometallic, heterocyclic, activation–deactivation, and nucleophile assisting leaving groups (NALGs).

ARTICLES

Asymmetric direct vinylogous carbon–carbon bond formation catalyzed by bifunctional organocatalysts

Lin Jiang, Hong-Ting Zheng, Tian-Yu Liu, Lei Yue and Ying-Chun Chen*

pp 5123–5128



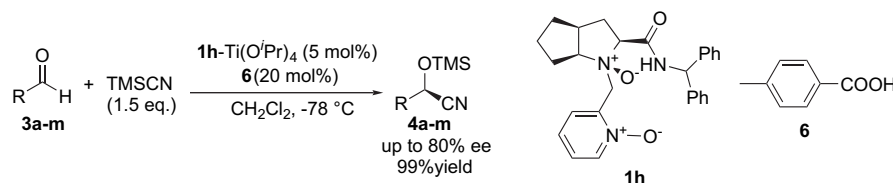
The direct asymmetric vinylogous Michael addition of α,α -dicyanoolefins to nitroolefins catalyzed by bifunctional thiourea-tertiary amine is described.



Enantioselective cyanosilylation of aldehydes catalyzed by a novel N,N' -dioxide-Ti(OⁱPr)₄ bifunctional catalyst

Baiqing Zeng, Xin Zhou, Xiaohua Liu and Xiaoming Feng*

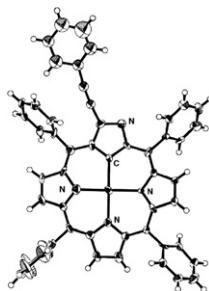
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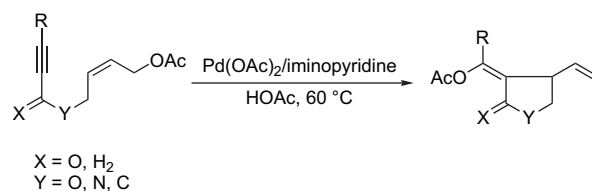
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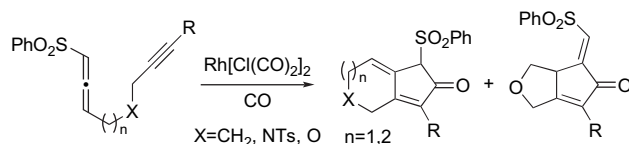
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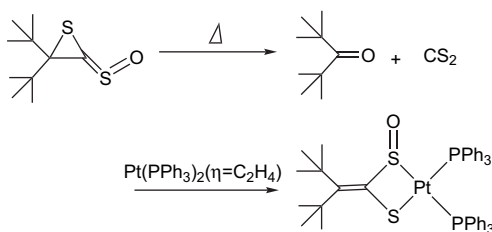
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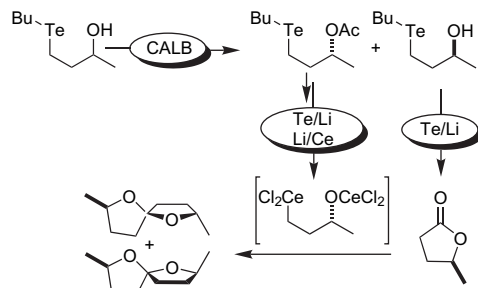
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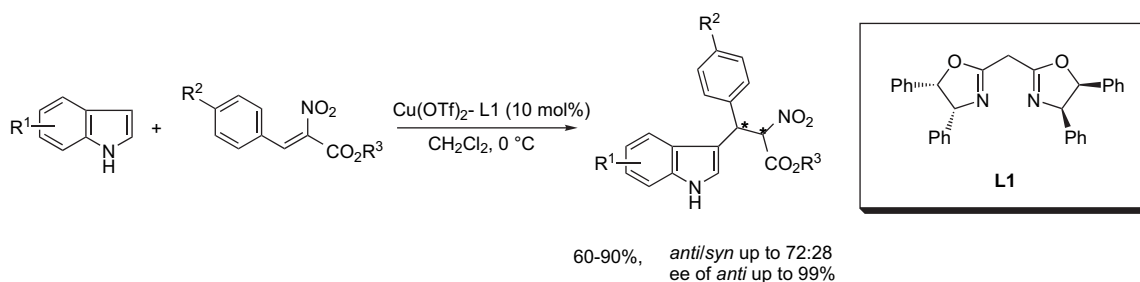


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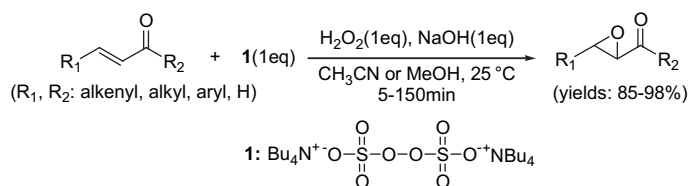
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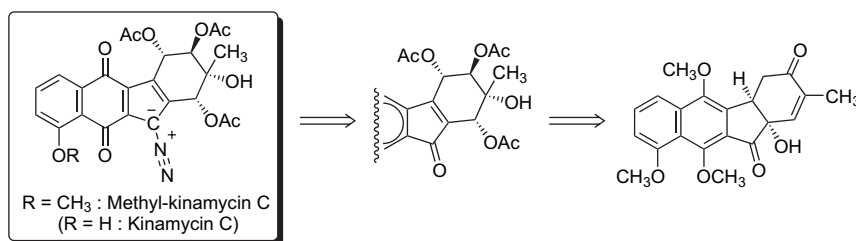
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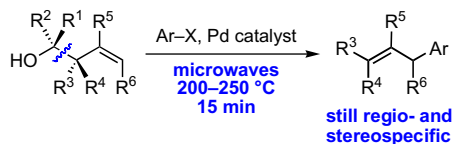
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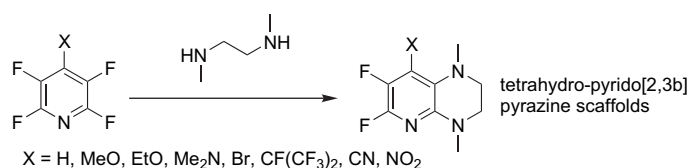
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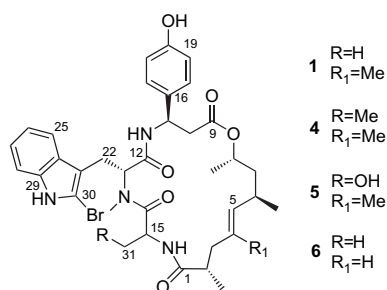
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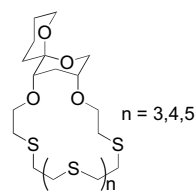
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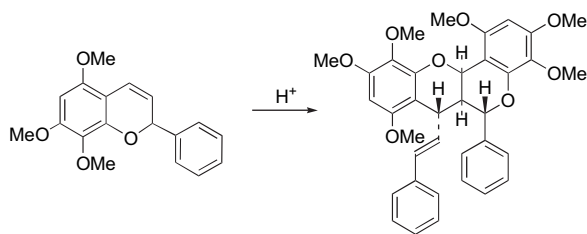

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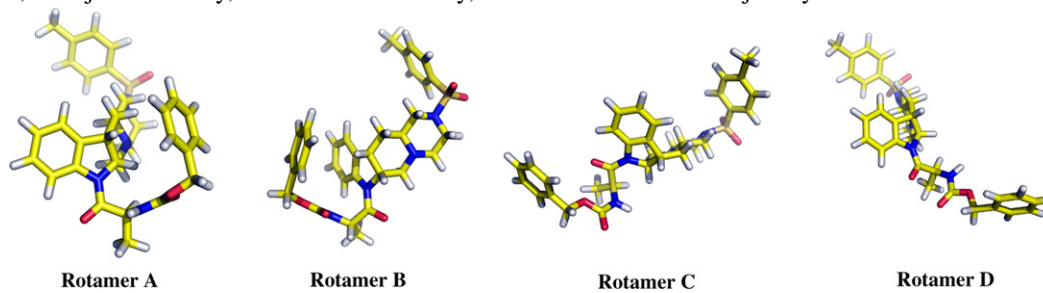
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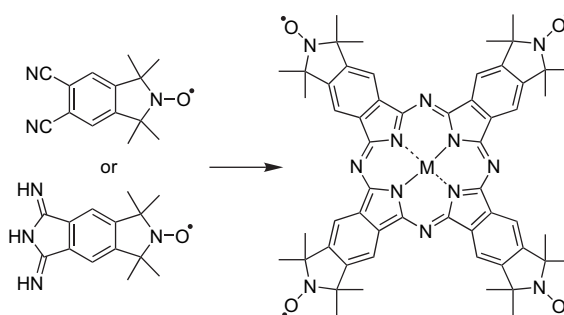
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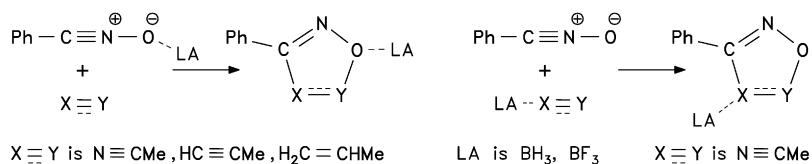
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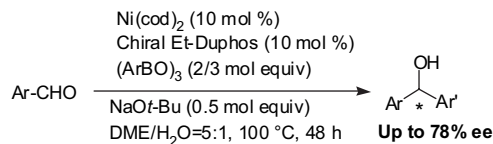
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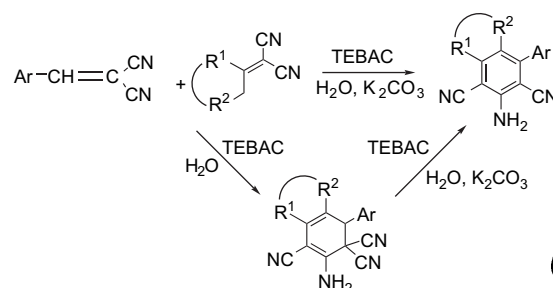


An improved and clean procedure for the synthesis of one-donor poly-acceptors systems containing 2,6-dicyanoamine moiety in aqueous media catalyzed by TEBAC in the presence and absence of K₂CO₃

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Xiang-Shan Wang,* Mei-Mei Zhang, Qing Li, Chang-Sheng Yao and Shu-Jiang Tu

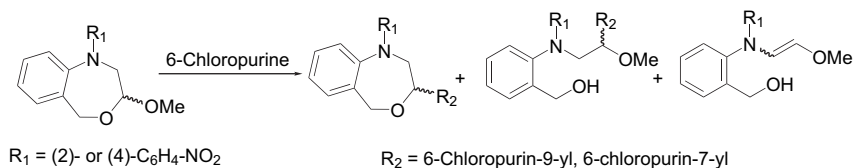
A clean and simple synthesis of one-donor poly-acceptors systems containing 2,6-dicyanoamine moiety was accomplished via the reaction of 1-arylethylidenemalonodinitriles with arylidenemalonodinitriles in aqueous media catalyzed by TEBAC in the presence of K₂CO₃. The important intermediate was obtained successfully to confirm the mechanism in the absence of base under the same reaction conditions.



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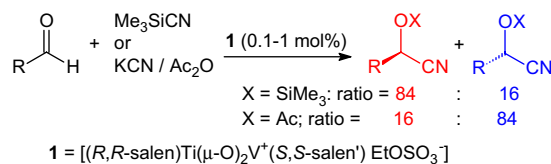
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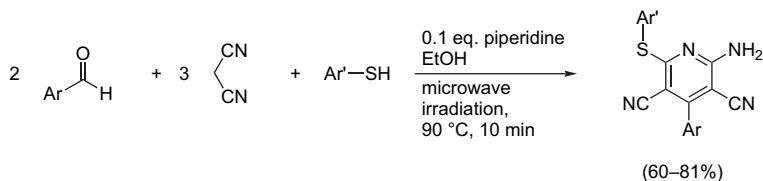
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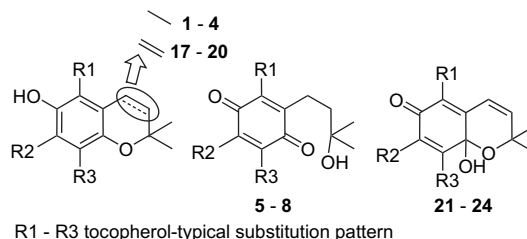
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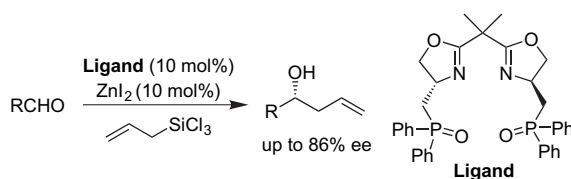

Novel tocopheryl compounds XXV: synthesis and comparison of the *para*-quinones of all four homologous tocopherol model compounds and their 3,4-dehydro derivatives pp 5312–5318

Anjan Patel, Thomas Netscher, Lars Gille, Kurt Mereiter and Thomas Rosenau*

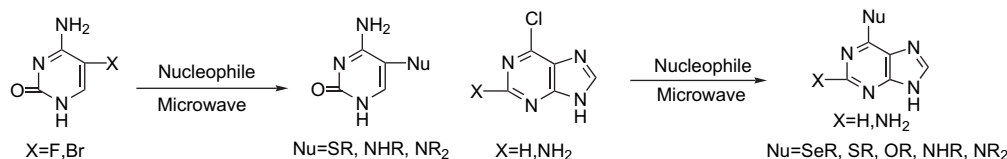
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Keiichi Takeuchi, Takuma Takeda, Tetsuya Fujimoto* and Iwao Yamamoto*



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Ling-Kuen Huang, Yen-Chih Cherng, Yann-Ru Cheng, Jing-Pei Jang, Yi-Ling Chao and Yie-Jia Cherng*



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 *Supplementary data available via ScienceDirect

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