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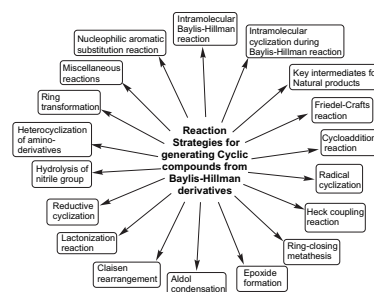
REPORT

Advances in the Baylis–Hillman reaction-assisted synthesis of cyclic frameworks

Vijay Singh, Sanjay Batra*

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This review is intended to update the impressive amount of developments in the synthesis of cyclic compounds from the Baylis–Hillman chemistry covering the literature from 2003 to 2007. The several reaction strategies leading to these cyclic frameworks discussed in the article are delineated in the figure.

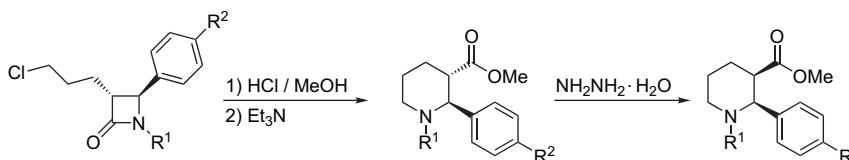


ARTICLES

Synthesis of *trans*-4-aryl-3-(3-chloropropyl)azetid-2-ones and their transformation into *trans*- and *cis*-2-arylpiperidine-3-carboxylates

Matthias D'hooghe, Yves Dejaegher, Norbert De Kimpe*

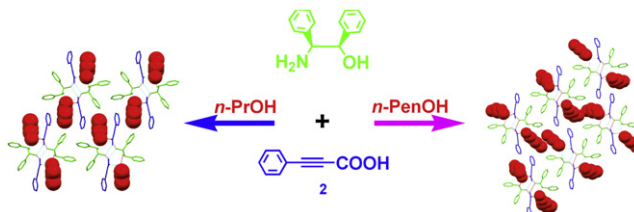
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Formation of chiral 2₁-helical columnar host system with phenylacetylene unit by using (1*R*,2*S*)-2-amino-1,2-diphenylethanol

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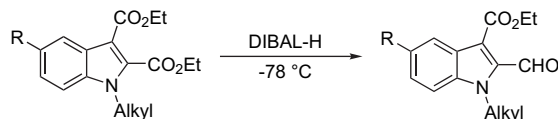
Yoshitane Imai*, Kakuhiro Kawaguchi, Hideki Matsuno, Tomohiro Sato, Reiko Kuroda, Yoshio Matsubara*



Selective reduction and functionalization of diethyl 1-alkyl-1H-indole-2,3-dicarboxylates

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Ilyas Ali Sayyed, Karolin Alex, Annegret Tillack, Nicolle Schwarz, Anke Spannenberg, Dirk Michalik, Matthias Beller*

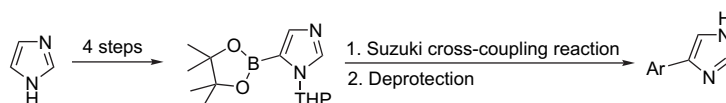


A convenient and general synthesis of 2-formyl-1H-indole-3-carboxylates from indole-2,3-dicarboxylates is presented.

A new boronic-acid based strategy to synthesize 4(5)-(het)aryl-1H-imidazoles

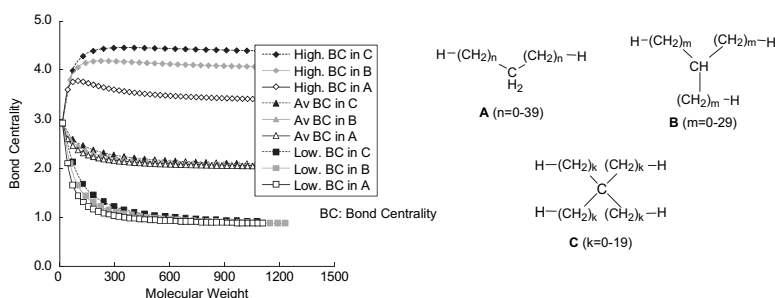
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**Molecular centrality for synthetic design of convergent reactions**

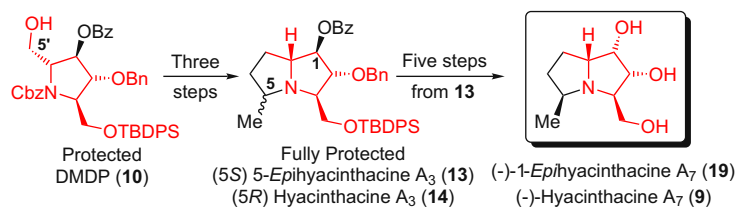
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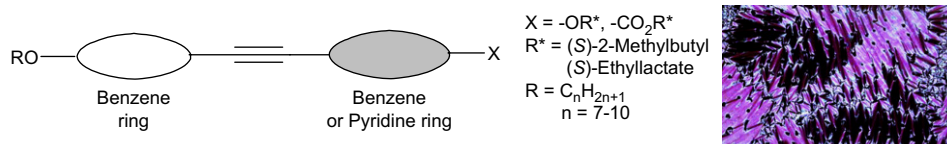
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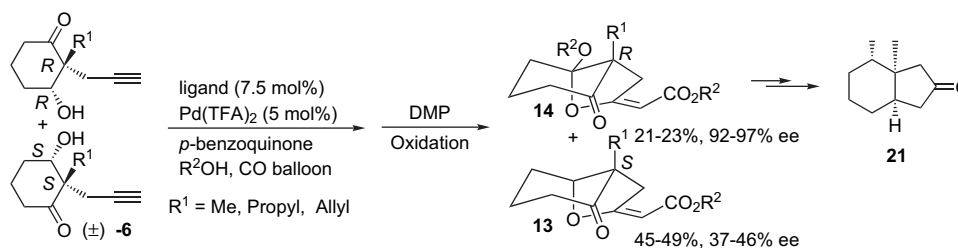
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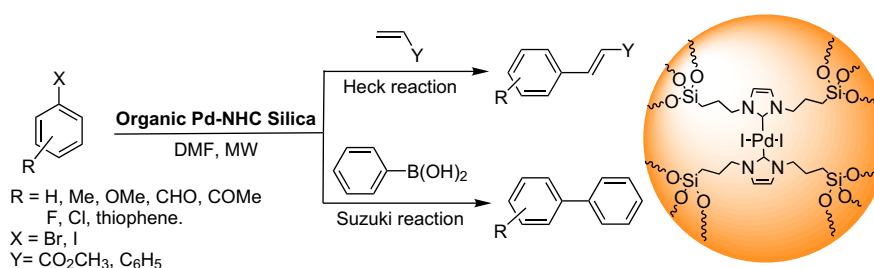
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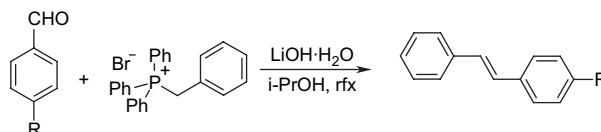
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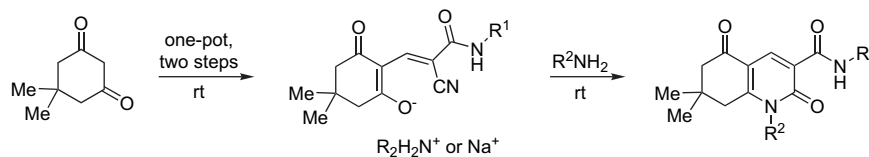
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*Corresponding author

i+ Supplementary data available via ScienceDirect

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