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Tetrahedron Letters

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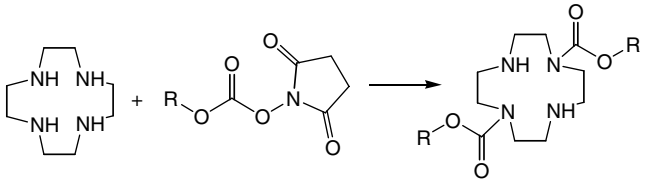
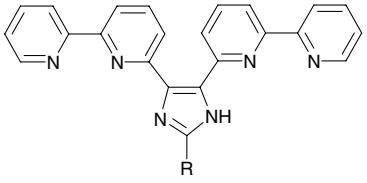
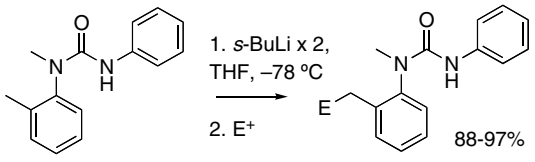
Contents

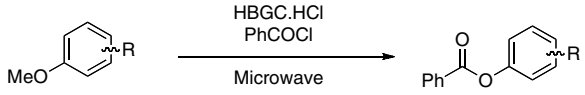
COMMUNICATIONS



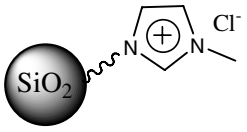




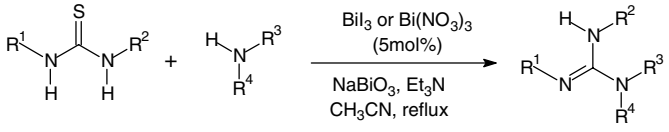
N-(2-Alkylaryl)ureas may be laterally lithiated by treatment with *sec*-butyllithium. Lateral lithiation is favoured when the urea nitrogen adjacent to the aromatic ring in question is alkylated, and when competitive lithiations of such a ring are possible, lateral lithiation is more favourable than the alternative ortholithiation.



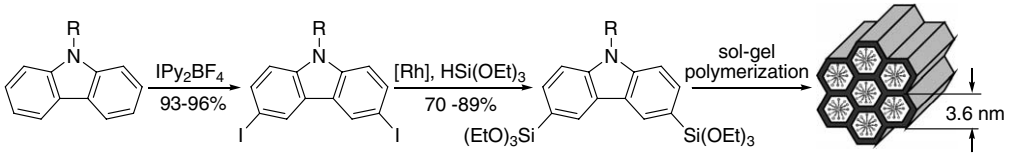
A simple and efficient method for the transprotection of aryl methyl ether to easily cleavable arylbenzoate mediated by microwave activation has been developed. One important feature of this method is its high tolerance towards sensitive functionalities and to some extent to bulky environment.

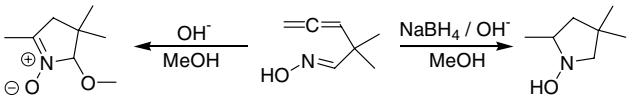


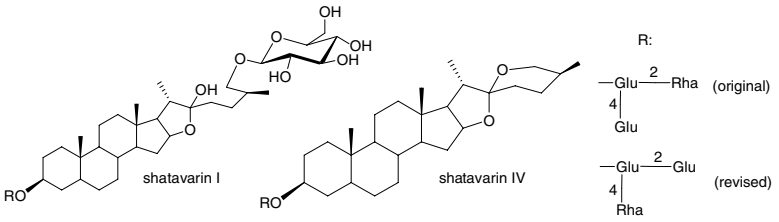
Imidazolium cation-based ionic liquid functionalized silica gel was an effective recyclable catalyst for Knoevenagel condensation as well as for cycloaddition of propylene oxide and carbon dioxide.



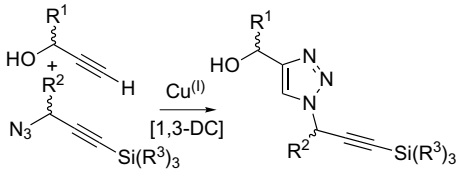
Catalytic Bi(III) guanylation of benzoyl or phenylthioureas and without excess of primary and secondary amines 10 examples, 65–97%.



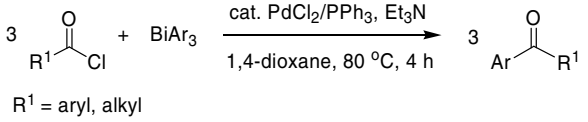


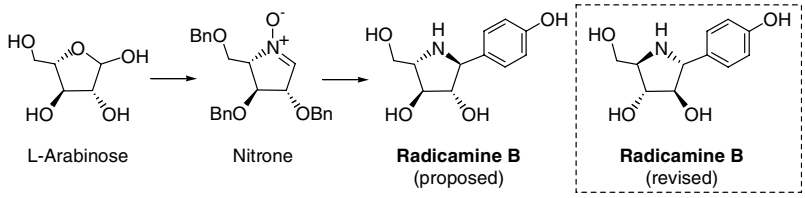


The structural revision of two major steroidal saponins, shatavarins I and IV, from the roots of *Asparagus racemosus* is reported. The correct structures have been identified through a combination of 1D (^{1}H, ^{13}C, DEPT, TOCSY) and 2D (COSY, HSQC, HMBC) NMR.

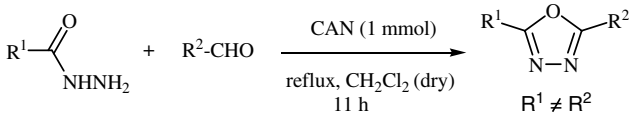


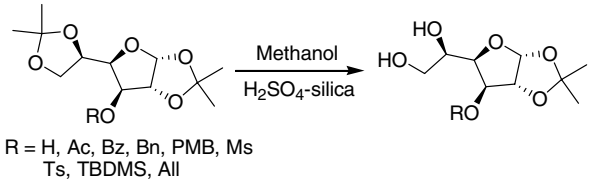
A copper catalyst was used in [3+2] cycloadditions of propargyl alcohols and trialkylsilyl azides. The triazole cycloadducts can be iteratively extended in either direction to prepare higher order oligomers.

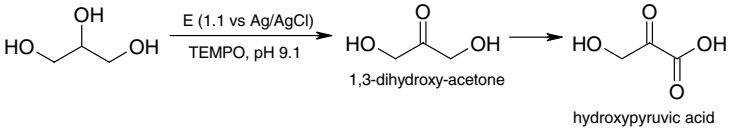


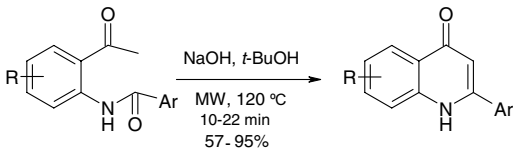


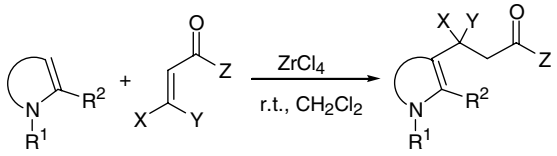
Synthesis of an L-*arabino* configured cyclic nitrone and stereoselective Grignard addition led to the total synthesis of (−)-radicamine B



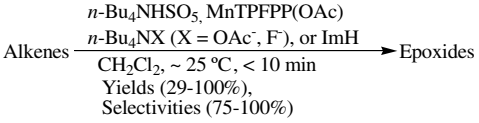


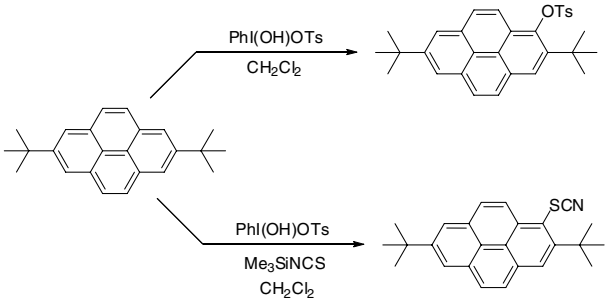


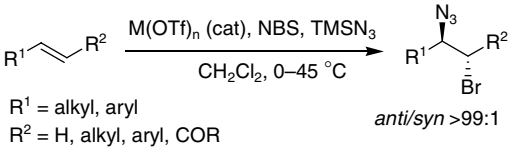


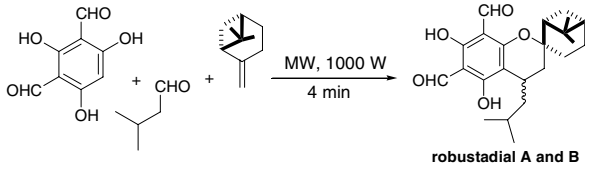


Highly selective and efficient Michael additions of heterocyclic enamines, viz. indoles, pyrroles, and pyrazoles with α,β-unsaturated olefins using 2 mol % of $ZrCl_4$ has been achieved.

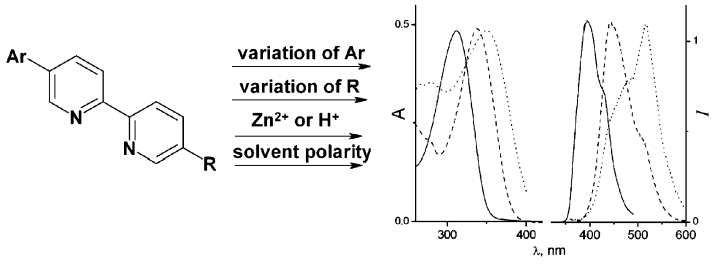


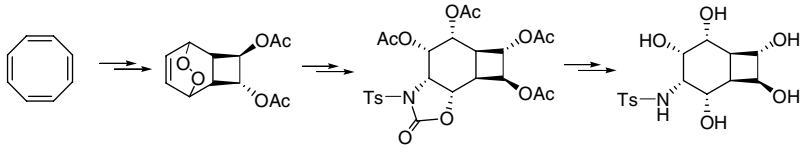


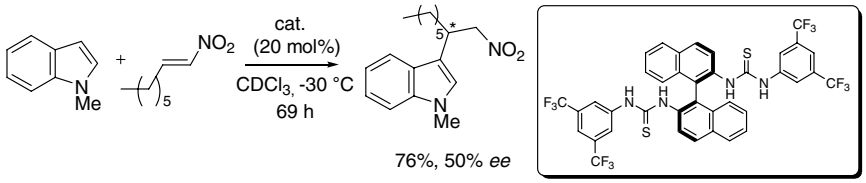


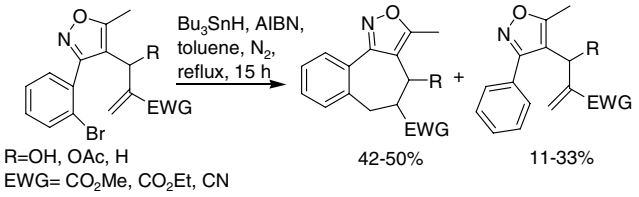


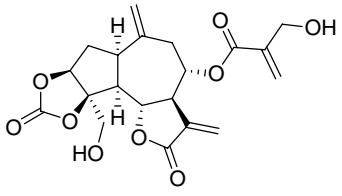
A short and efficient two-step synthesis of the antimalarial robustadials A and B via a key biomimetic three-component reaction, which involves in situ generation of an *o*-quinone methide via Knoevenagel condensation and subsequent Diels–Alder cycloaddition with (−)-β-pinene is described.



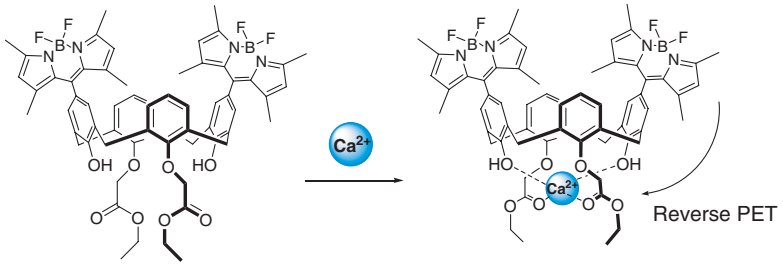


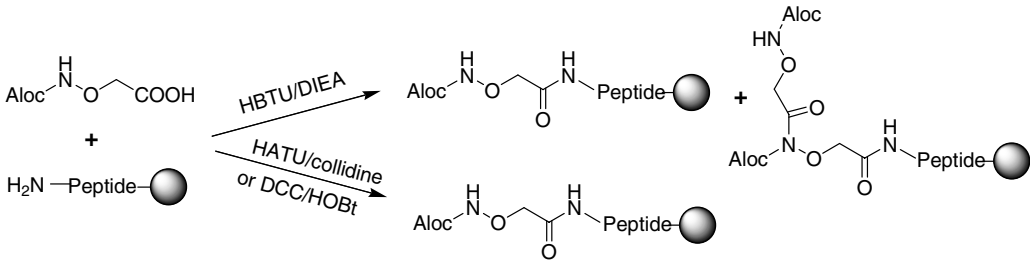


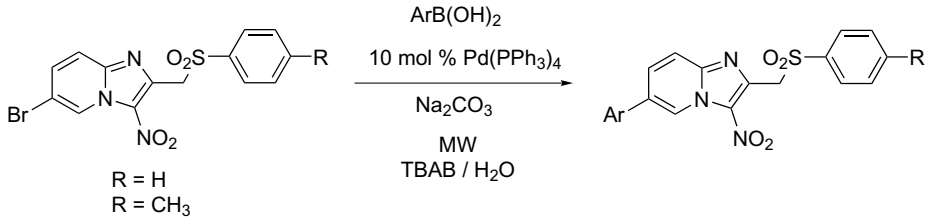


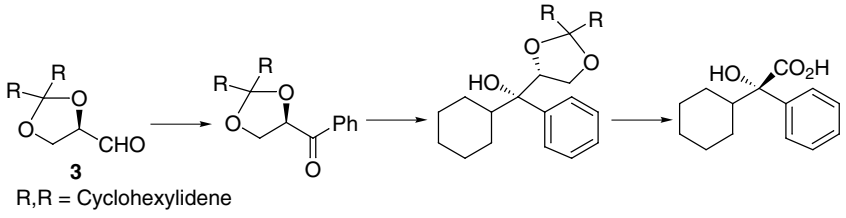


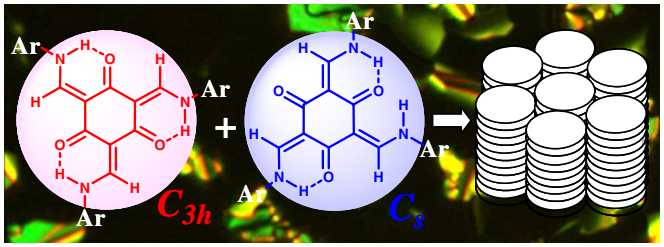
The first natural occurring cyclic carbonate terpenoid, the guaianolide hololeucin (**1**), was isolated from the aerial part of *Centaurea hololeuca*. Its structure was elucidated on the basis of extensive proton, ^{13}C and two-dimensional NMR experiments, as well as by transformation in its diacetyl derivative.



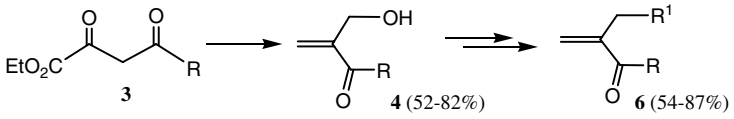




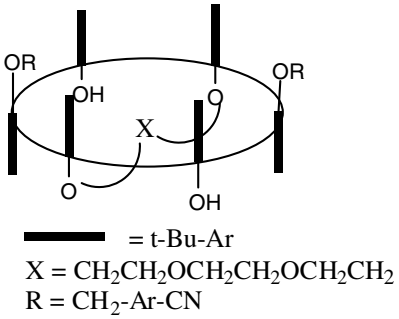


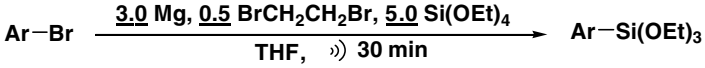


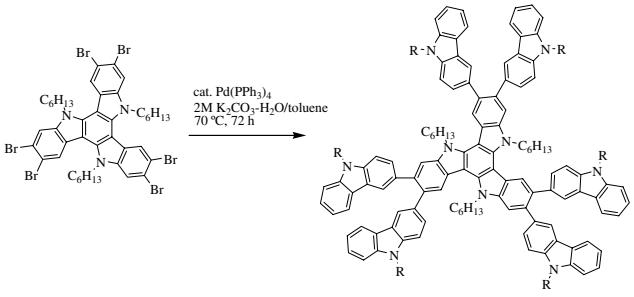
The first tris(*N*-salicylideneanilines) stabilizing room temperature columnar phase is reported.

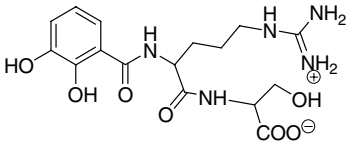


The synthesis of β-hydroxy ketones **4** and α-alkylated ketones **6** starting from 2,4-diketoesters **3** are reported.

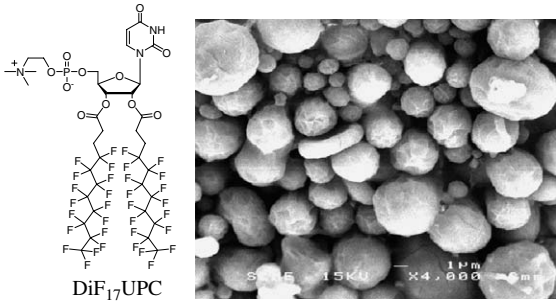








The structure of vanchrobactin, a siderophore produced by *Vibrio anguillarum* serotype O2, was characterized.



$DiF_{17}UPC$

Fluorocarbon nucleoamphiphile and thorium loaded microspheres.

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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