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Tetrahedron Letters

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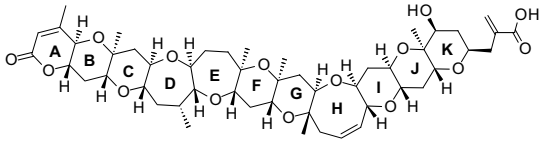
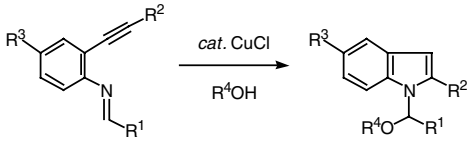
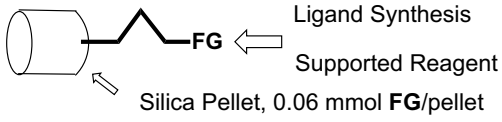
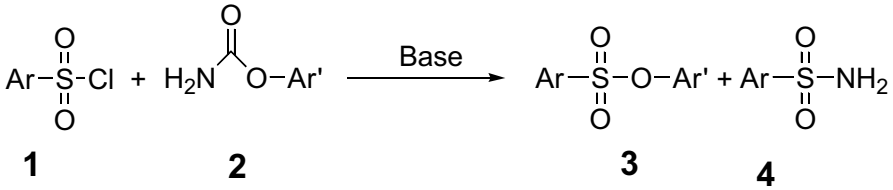


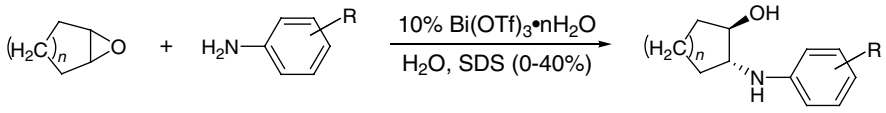


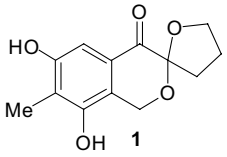


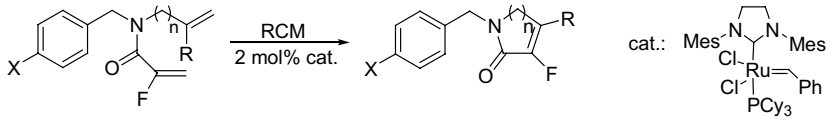
Low cost silica pellets offer a convenient starting point for the preparation of supported reagents on a single silica plug at loadings of 0.66–2.15 mmol g^{-1}, corresponding to ca. 0.06 mmol per pellet. These materials are effective for supported ligand synthesis.

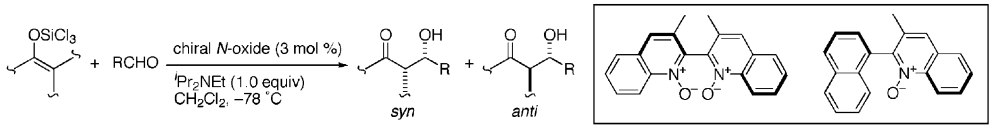


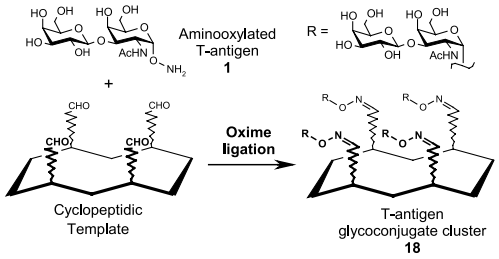
Sulfonamides have been identified as by-products in the base-mediated transesterification of *N*-unsubstituted carbamates with sulfonyl chlorides to give the corresponding sulfonates. A proposed mechanism and the synthesis of hindered 2,6-disubstituted arylsulfonates via this method are also reported.



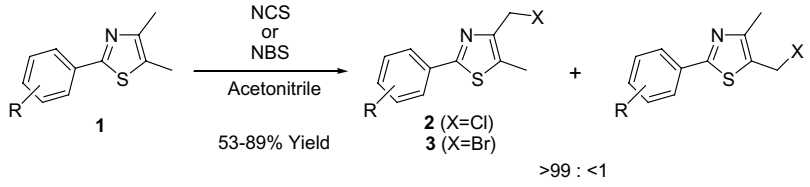


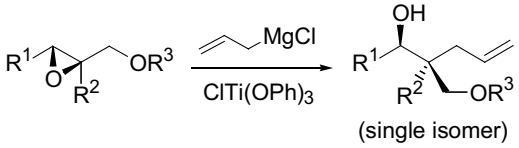


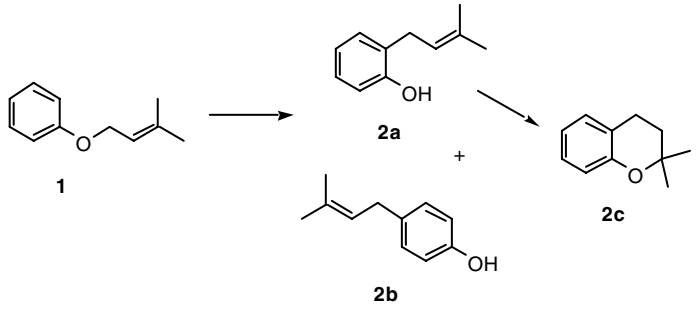


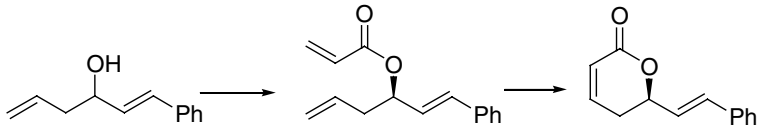


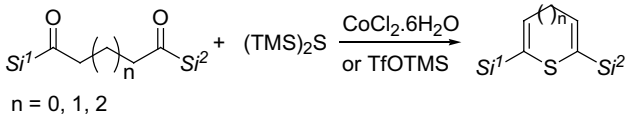
The first synthesis of aminooxy mucin-related T-antigen **1** is reported as well as its convenient incorporation for the direct formation of multitopic neoglycopeptide **18** through an oxime-based strategy.



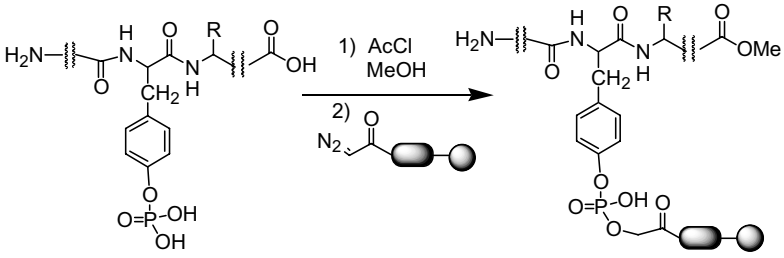


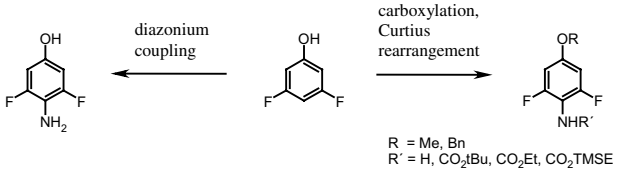


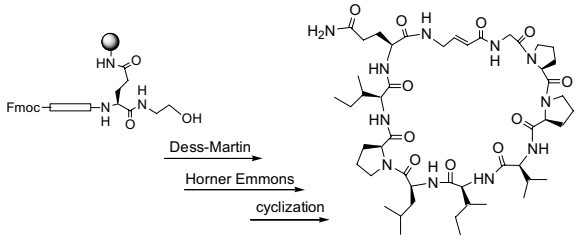




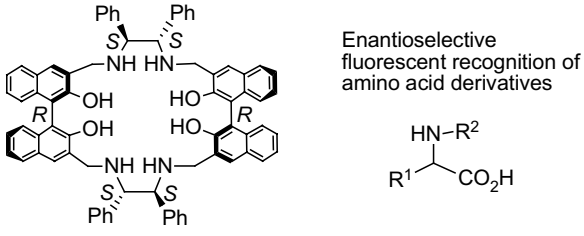
Reaction of bis(acylsilanes), with spacers of variable size, with HMDST affords symmetrical and unsymmetrical silylated thiophene-, thiopyran- and dihydrothiepine derivatives.

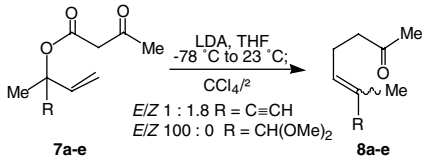




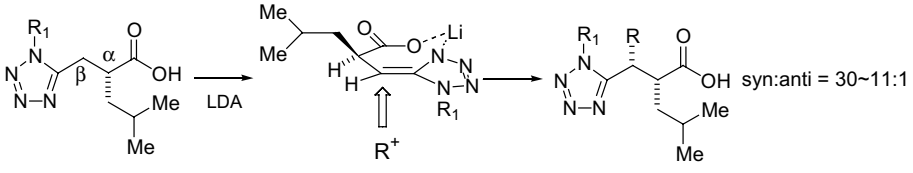


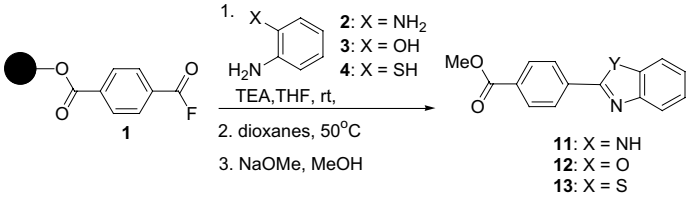
Linear and cyclic olefin-containing peptides were efficiently prepared by a combination of Dess–Martin oxidation and the Horner–Emmons reaction on a solid support.



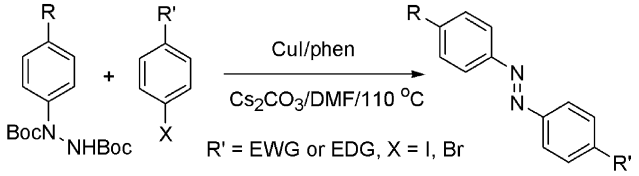


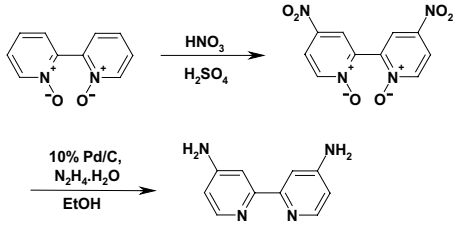
Carroll rearrangement of β-keto esters derived from tertiary allylic alcohols, for example, **7**, under basic conditions followed by decarboxylation of the resulting β-keto acids yielded the expected γ,δ-unsaturated methyl ketones **8** with a range of olefin geometries from 100:0 to 1:1.8 *E*/*Z*, depending on the relative steric requirements of the two groups at the allylic center.



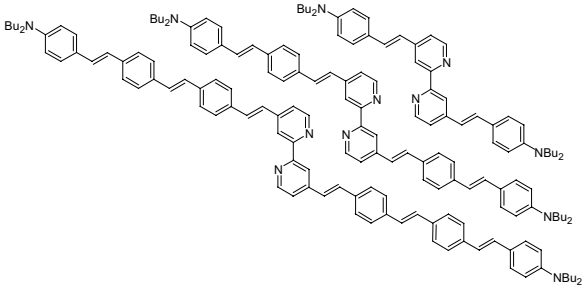


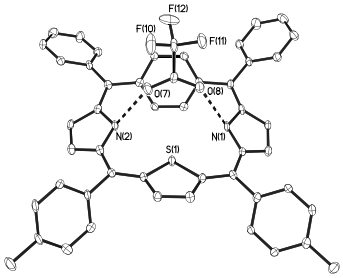
A novel acid fluoride for use in the liquid-phase synthesis of substituted benzimidazoles, benzoxazoles and benzothiazoles was developed.

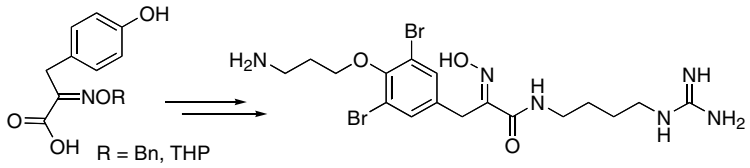


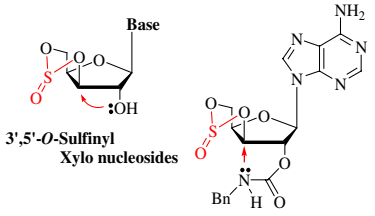


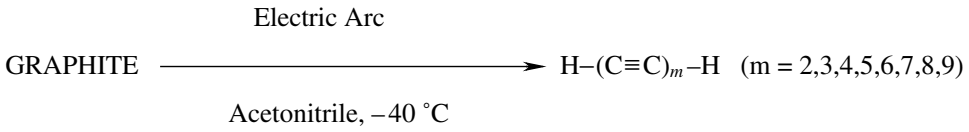
A high yielding, two step synthesis of 4,4′-diamino-2,2′-bipyridine is described.

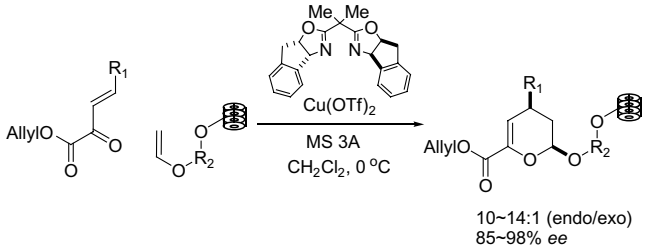




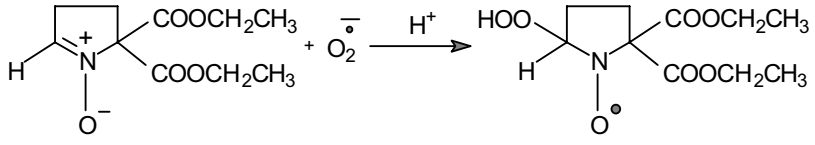








A very practical synthesis of Indanol-Box ligand and asymmetric hetero Diels–Alder reactions on polymer support are described.



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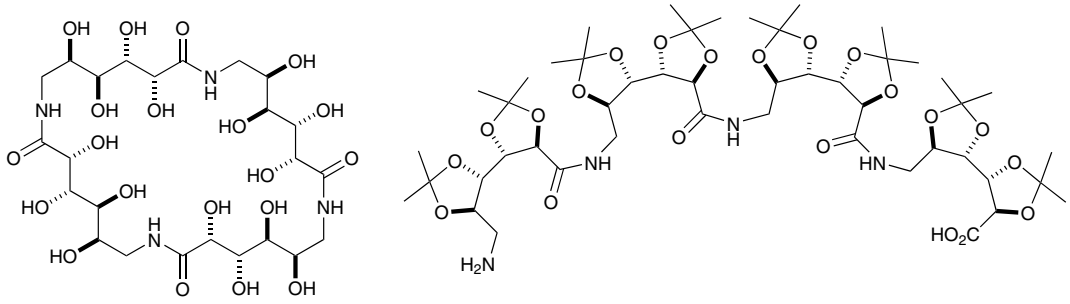
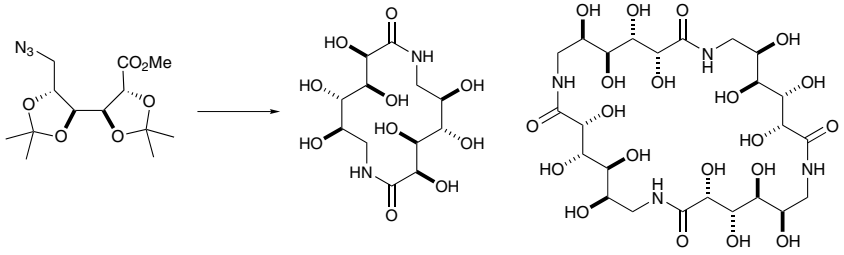
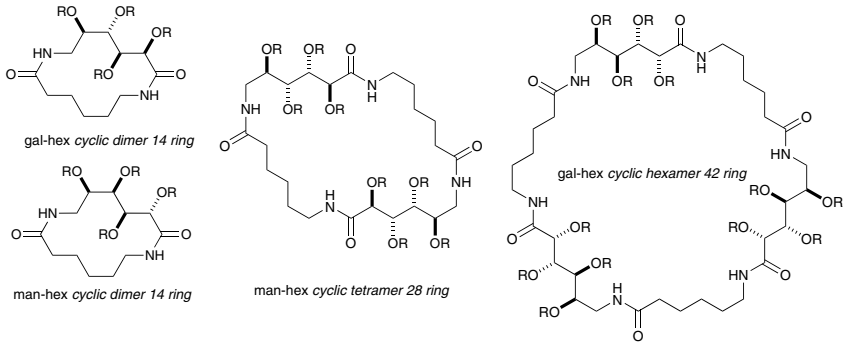
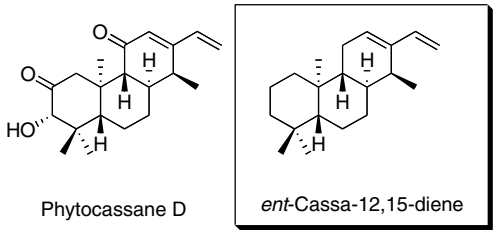
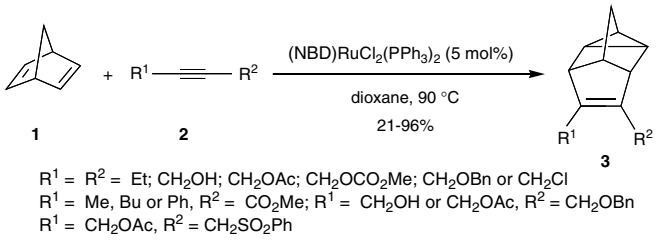
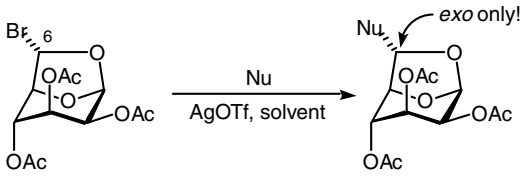


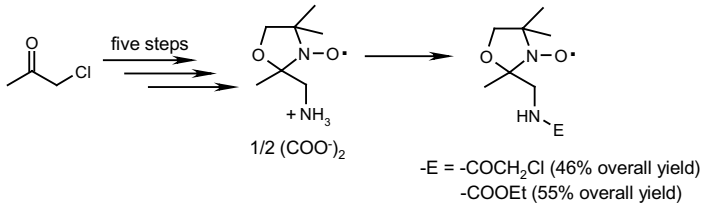


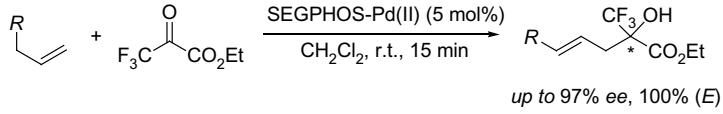


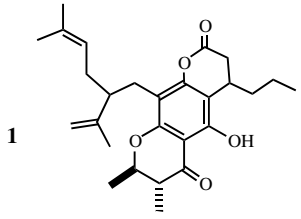




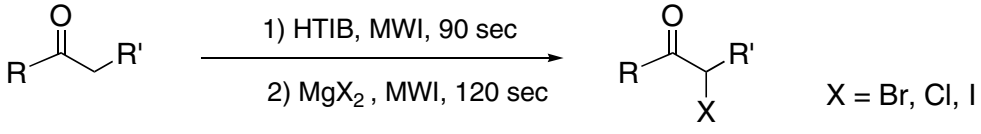


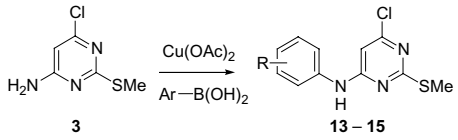




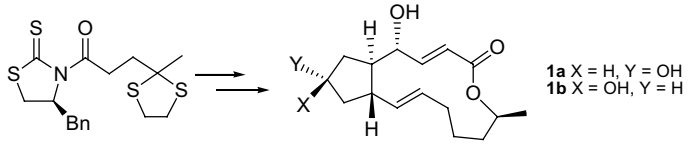


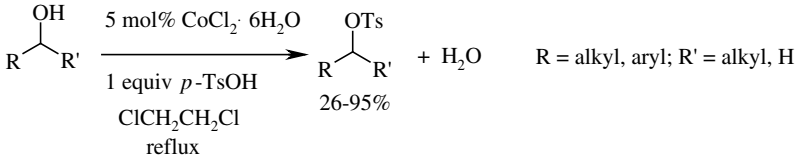
Lactonization of inocalophyllins A and B with toluenesulfonic acid has yielded four novel pyranocoumarins **1**–**4**. This reaction involved a rare elimination of an isoprene unit and an ene cyclization.

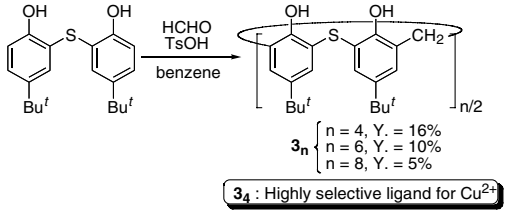


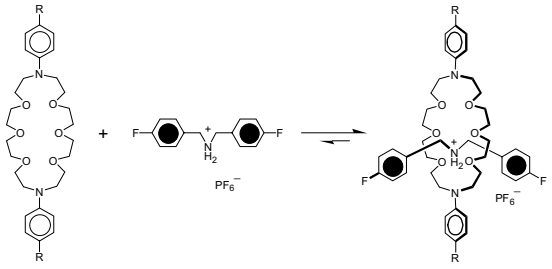


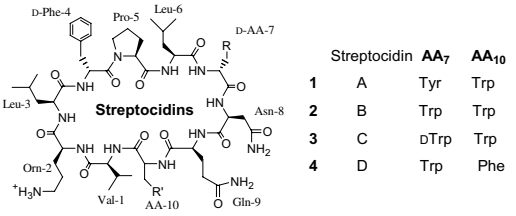
A general method for mono *N*-arylation of aminopurines and aminopyrimidines using an arylboronic acid and Cu(II) acetate is reported.





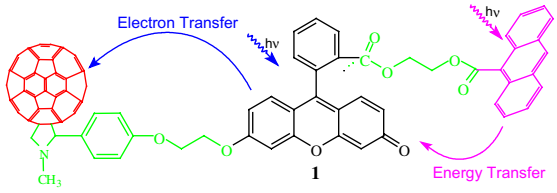






	Streptocidin	AA_7	AA_{10}
1	A	Tyr	Trp
2	B	Trp	Trp
3	C	DTrp	Trp
4	D	Trp	Phe

First total synthesis of streptocidins A–D is reported.



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*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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