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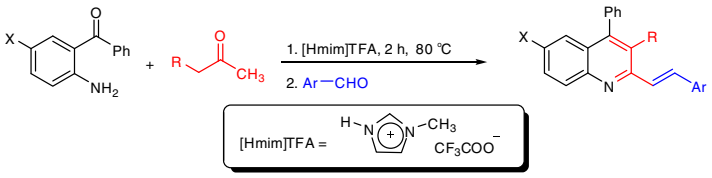
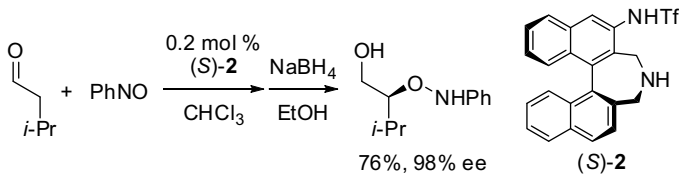
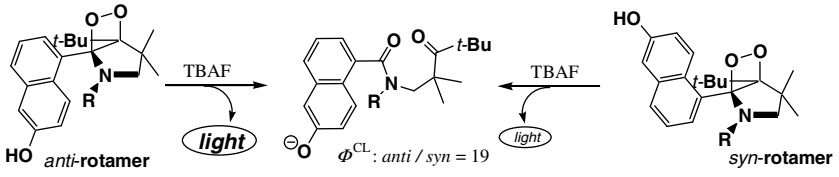
Contents

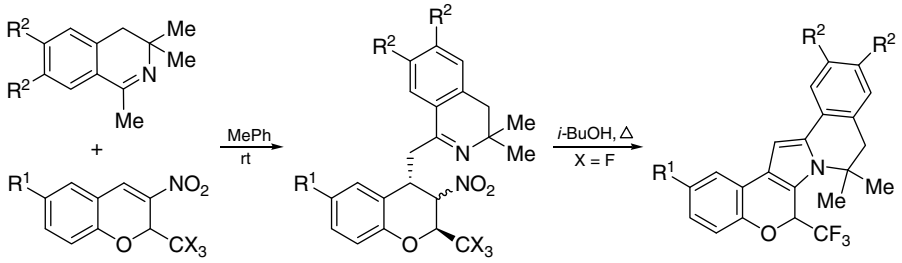
COMMUNICATIONS



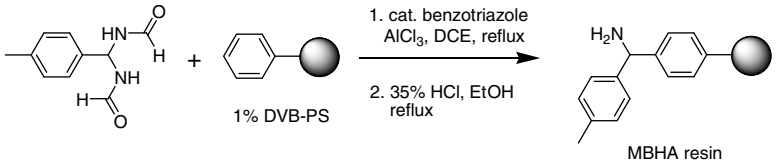
A combination of a modified Friedländer annulation and a Knoevenagel condensation provides 2-styrylquinolines in good to excellent yields.



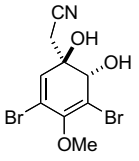




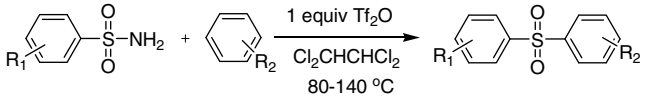
R^1 = H, Me, MeO, Br; R^2 = H, Me, MeO; X = F, Cl



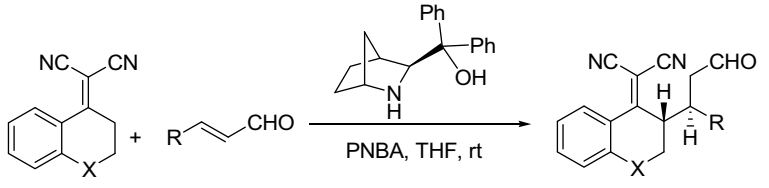
MBHA (4-methylbenzhydrylamine) resin is widely used as a solid support for the synthesis of carboxamides or peptide amides. Herein, we report a new method for synthesizing MBHA resin by benzotriazole-mediated amidoalkylation. MBHA resin was efficiently prepared with benzotriazolyl linker or bis(formamide) linker, and it showed good properties as a solid support.



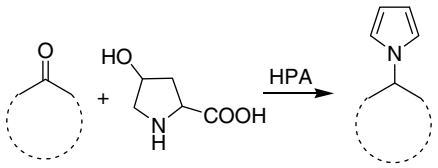
zamamistatin (revised structure)
aeroplysinin-1



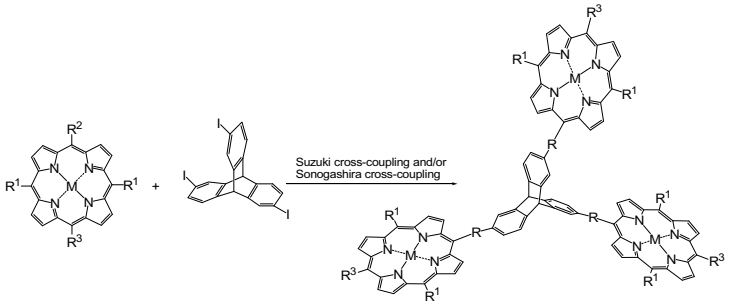
In the presence of triflic anhydride, sulfonylation of arenes with sulfonamides proceeded smoothly in $Cl_2CHCHCl_2$ at 80–140 °C, which gave rise to the desired products in good to excellent yields.

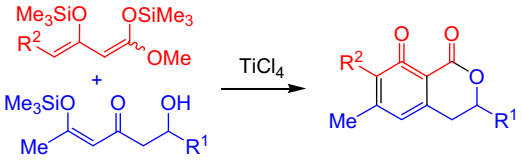


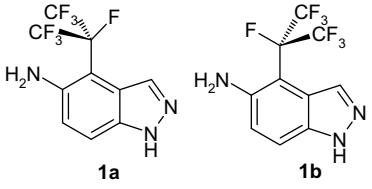
Chiral 2-azanorbornyl-3-methanol is used as an organocatalyst for the highly enantioselective direct vinylogous Michael addition reaction of vinyl malononitriles to α,β-unsaturated aldehydes. In many cases, the products can be obtained in almost optically pure form (>95% ee) after a single recrystallization.

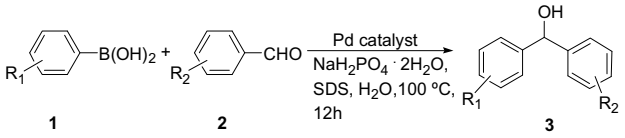


Simple and improved conditions have been found for the synthesis of 3-pyrrolyl-indolinones and pyrrolyl-indeno[1,2-*b*]quinoxalines by coupling of 4-hydroxyproline with isatins and 11*H*-indeno[1,2-*b*]quinoxalin-11-ones using Keggin ($H_3PW_{12}O_{40}$) and Well–Dawson tungsten heteropolyacids ($H_6P_2W_{18}O_{62}$).

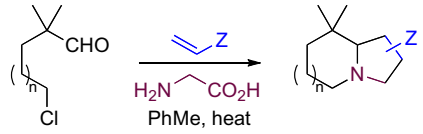




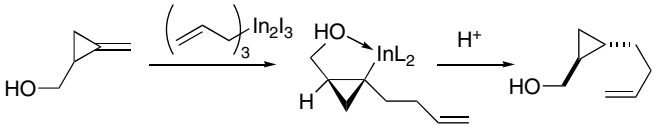


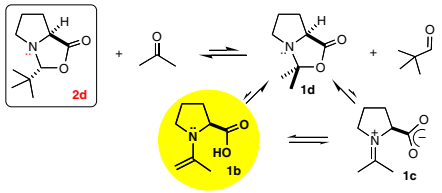


Cyclopalladated ferrocenylimine complexes gave high yields for the addition of arylboronic acids with aldehydes in neat water using a weak acid as additive.

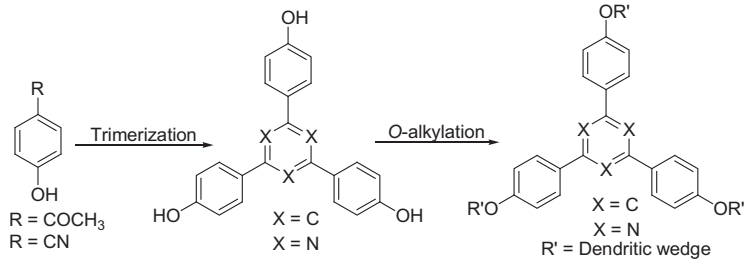


Addition of amino-acids or amino-esters to aldehydes bearing a leaving group, then cycloaddition of the resulting azomethine ylides provide bicyclic amine products.

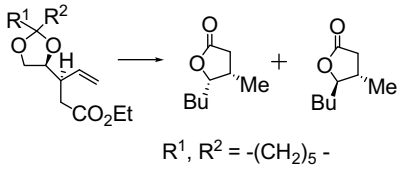


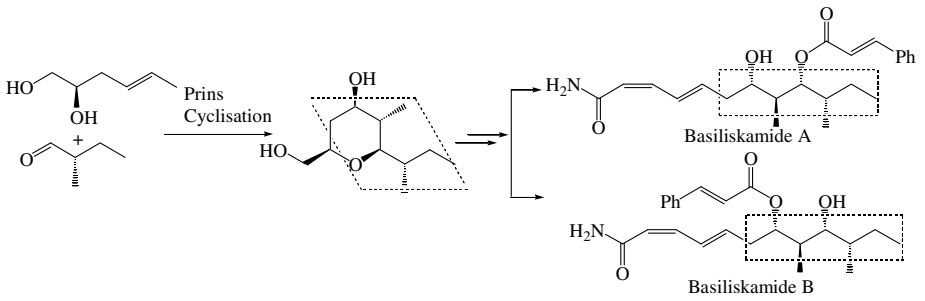


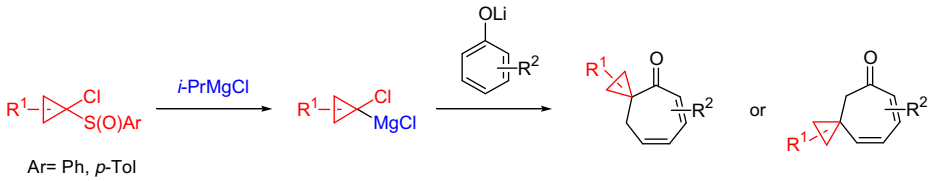
A quick exchange takes place between proline-derived oxazolidinone **2d** and acetone (carbonyl compounds in general). The active though very minor species (enamine **1b**) appear more rapidly than mixing proline and acetone. Reaction times of aldol reactions can be shortened from 30–48 h to 1–4 h (and, as an unexpected bonus, yields increase by 11–23%).



C_3-symmetric polyether dendrimers have been synthesized from 1,3,5-triphenylbenzene and 2,4,6-triphenyl-1,3,5-*s*-triazine and their liquid crystalline properties studied.







OTHER CONTENTS

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ⓘ+ Supplementary data available via ScienceDirect

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