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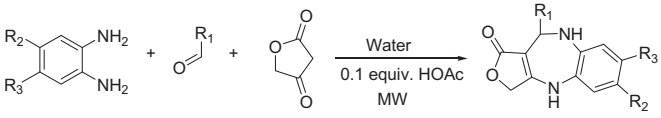
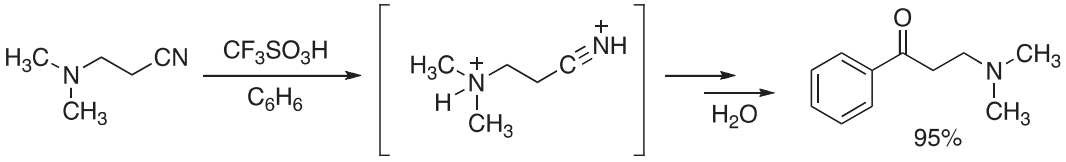
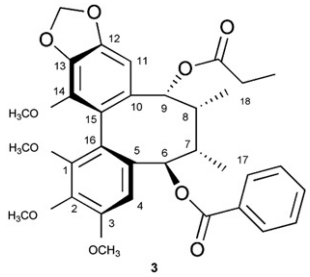
Contents

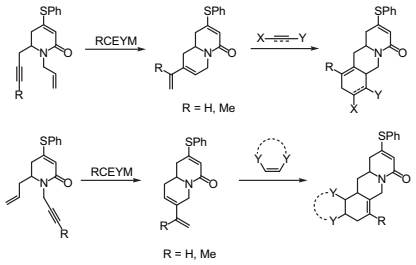
ARTICLES

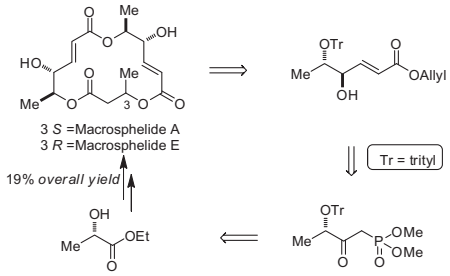


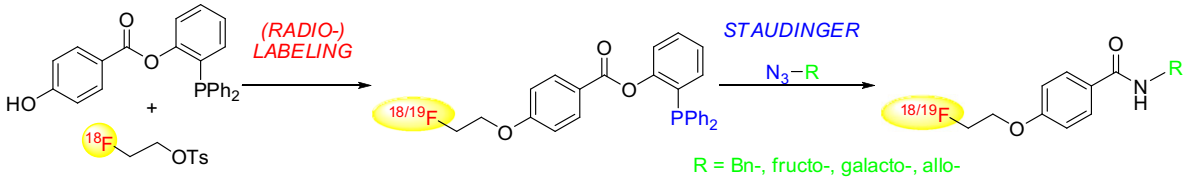
R_2 =COOH, R_3 =H; R_2 =H, R_3 =Cl; R_2 = R_3 = H; R_2 = R_3 = Cl

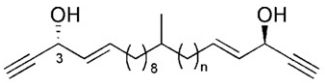




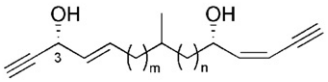




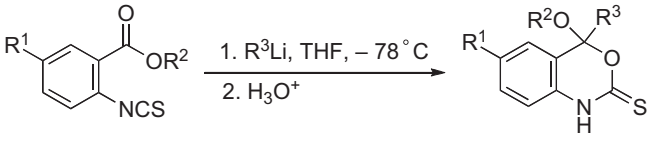




Miyakosyne A (**1**) n = 9
Miyakosyne B (**2**) n = 10
Miyakosyne C (**3**) n = 11
Miyakosyne D (**4**) n = 12

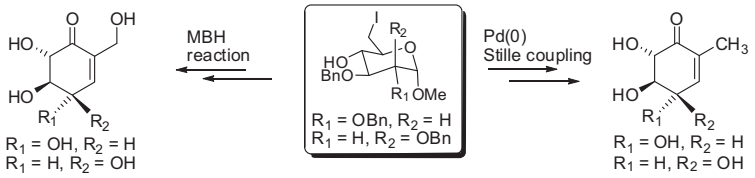


Miyakosyne E (**5**) m = 8, n = 11
Miyakosyne F (**6**) m = 11, n = 8



R^1 = H, Cl, OMe
R^2 = Me, Et
R^3 = alkyl, aryl, CH_2CO_2R, CH_2CONR_2

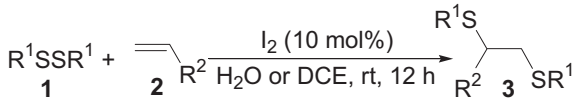
62–91%

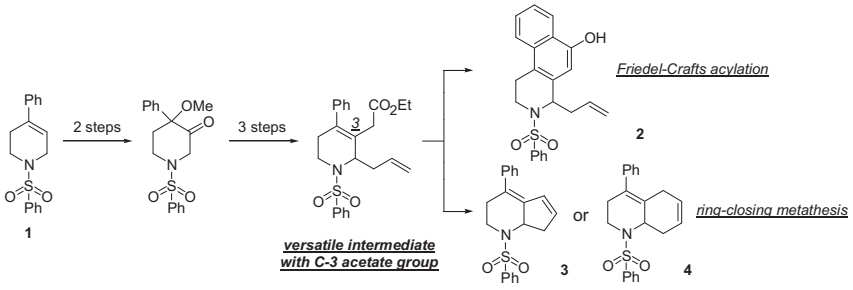


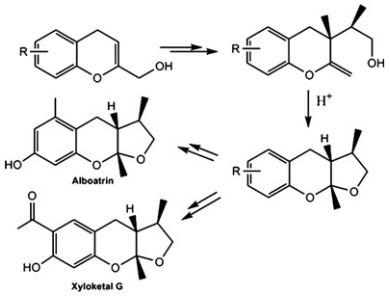
R_1 = OH, R_2 = H
R_1 = H, R_2 = OH

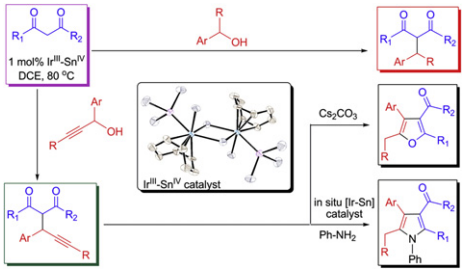
R_1 = OBn, R_2 = H
R_1 = H, R_2 = OBn

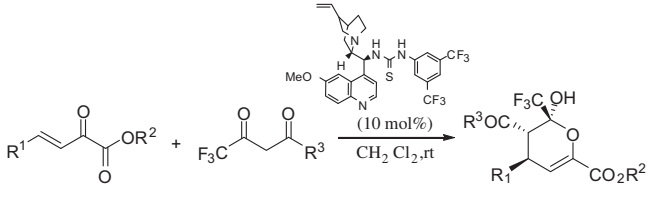
R_1 = OH, R_2 = H
R_1 = H, R_2 = OH

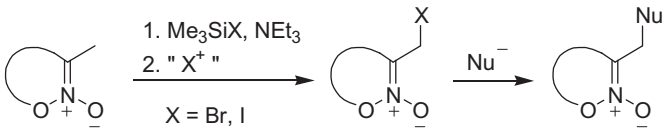


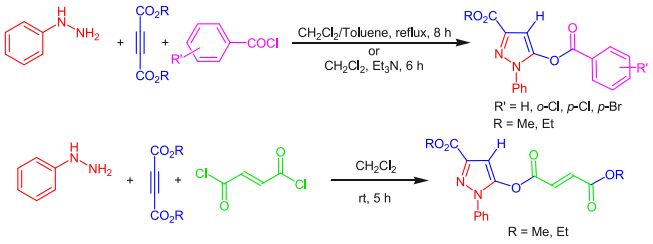


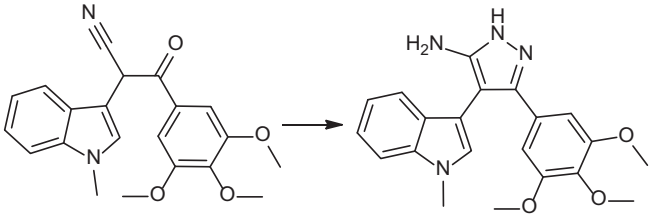


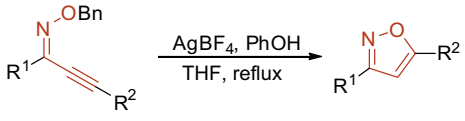




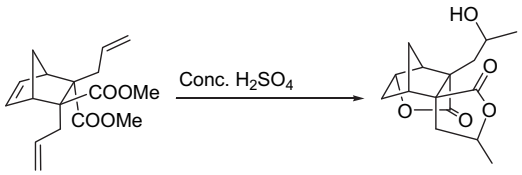


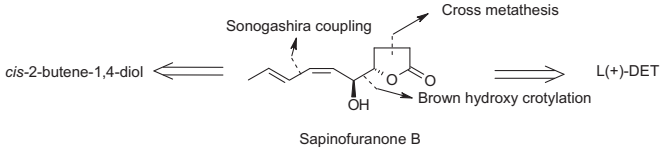


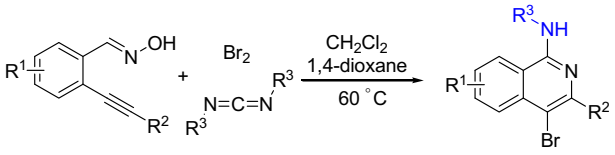


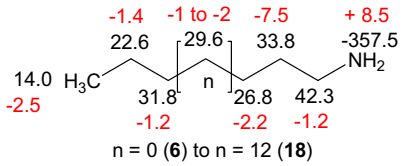


A facile and practical synthesis of 3,5-disubstituted isoxazoles via a silver-catalyzed cyclization and subsequent protonation of alkynyl oxime ethers has been developed. The methodology was successfully applied to the synthesis of a biologically active isoxazolecarboxylic acid.

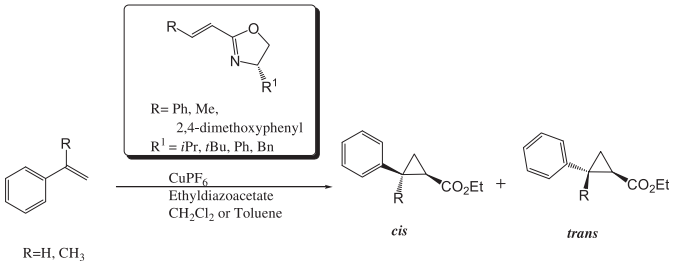


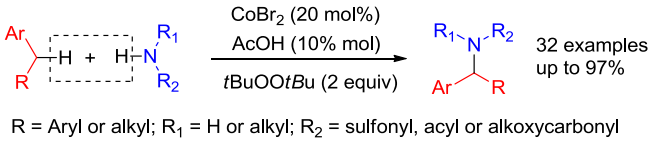


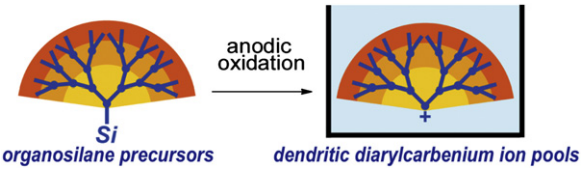


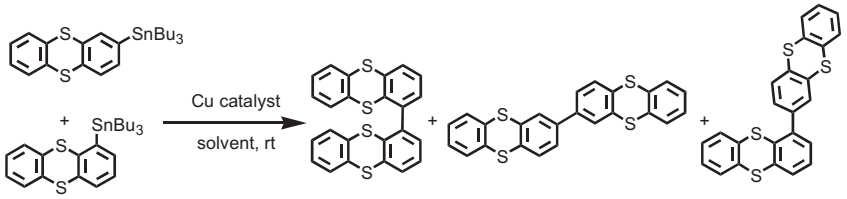


Regular trends in linear amines for ^{13}C and ^{15}N NMR chemical shifts (in black) plus protonation effects (in red) in parts per million.

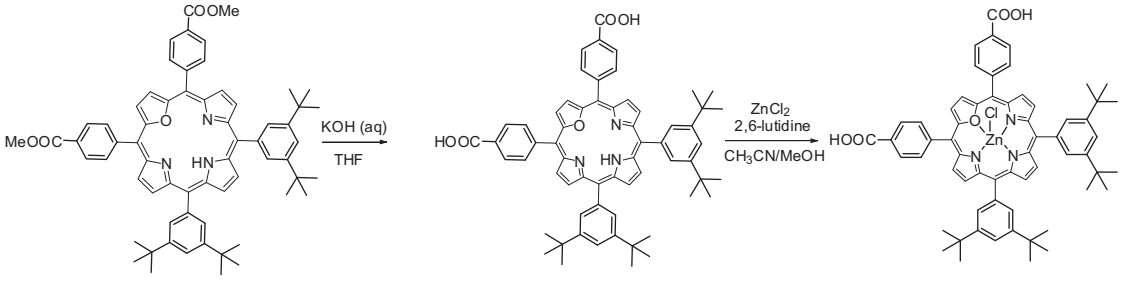


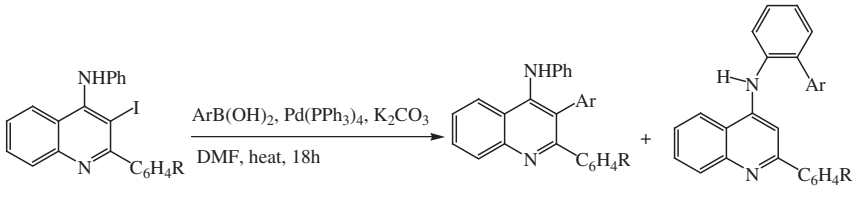




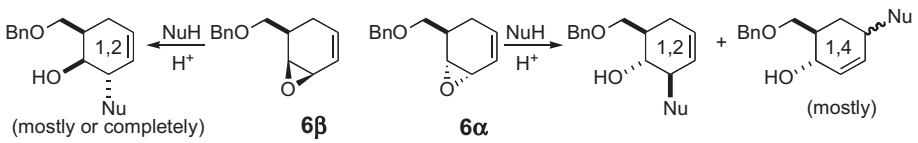


The coupling reaction of stannylthianthrene compounds with copper catalysts were studied and the solvent effect were also examined

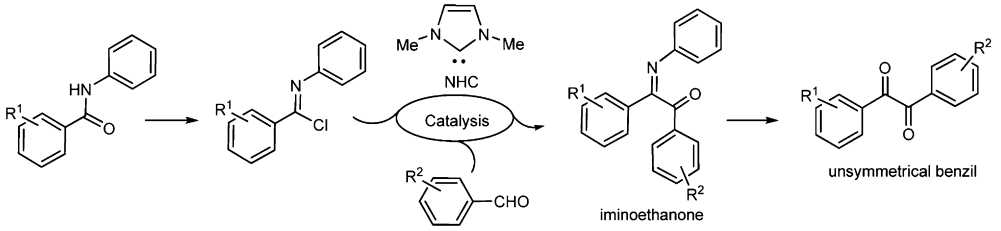


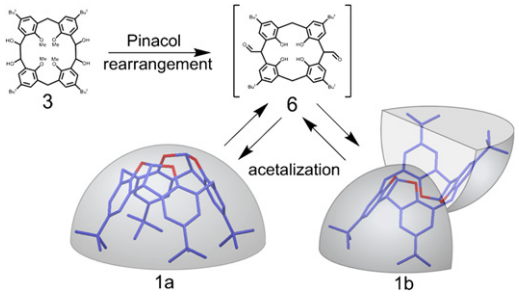


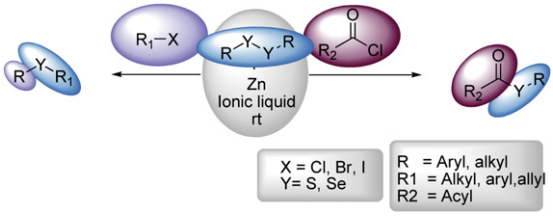
1 **2** **3**

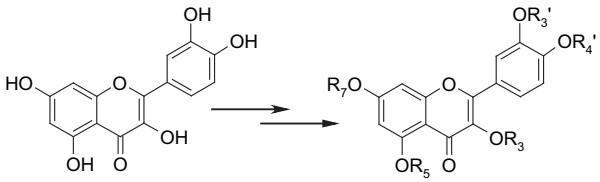


(mostly or completely) **6β** **6α**









R_3' = O-β-D-glucoside or glucuronide; R_4' = R_3 = R_5 = R_7= H
R_4' = *O*-β-D-glucoside; R_3' = R_3 = R_5 = R_7= H
R_3 = *O*-β-D-glucoside or glucuronide; R_3' = R_4' = R_5 = R_7= H
R_5 = *O*-β-D-glucoside or glucuronide; R_3' = R_4' = R_3 = R_7= H
R_7 = *O*-β-D-glucoside or glucuronide; R_3' = R_4' = R_3 = R_5= H

OTHER CONTENTS

*Corresponding author
ⓘ+ Supplementary data available via ScienceDirect

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