Supporting Information for

Cu(OTf)$_2$-catalyzed synthesis of 2,4-disubstituted oxazoles from $\alpha$-diazoketones


*Natural Product Chemistry, CSIR-Indian Institute of Chemical Technology, Hyderabad 500 007, India. E-mail: basireddy@iict.res.in,

'Department of Chemical Engineering, 'Department of Physics, King Fahd University of Petroleum & Minerals (KFUPM), Dhahran 31261, Kingdom of Saudi Arabia

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1. General procedure S2

2. Copies of $^1$H and $^{13}$C NMR spectra of products S3-S12
General procedure: A mixture of $\alpha$-diazoketone (1.2 mmol), amide (1 mmol) and Cu(OTf)$_2$ (0.1 mmol) in dichloroethane (10 mL) was stirred at 80 °C for the appropriate time (Table 2). After completion of the reaction as indicated by TLC, the reaction mixture was quenched with water and extracted with ethyl acetate (2 x 15 mL). Evaporation of the solvent followed by purification on silica gel afforded the pure 2,4-oxazole.
Copies of $^1$H and $^{13}$C NMR spectra

$^1$H NMR (500 MHz, CDCl$_3$) spectrum of compound 3a

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3a
$^1$H NMR (500 MHz, CDCl$_3$) spectrum of compound 3b

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3b
$^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 3c

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3c
$^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 3d

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3d
$^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 3e

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3e
$^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 3f

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3f
$^1$H NMR (500 MHz, CDCl$_3$) spectrum of compound 3g

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3g
$^1$H NMR (300 MHz, CDCl$_3$) spectrum of compound 3h

$^{13}$C NMR (75 MHz, CDCl$_3$) spectrum of compound 3h
$^1$H NMR (500 MHz, CDCl$_3$) spectrum of compound 3i

$^{13}$C NMR (125 MHz, CDCl$_3$) spectrum of compound 3i
$^1$H NMR (500 MHz, CDCl$_3$) spectrum of compound 3j

$^{13}$C NMR (125 MHz, CDCl$_3$) spectrum of compound 3j