Ionic Liquid as an efficient promoting medium for fixation of carbon dioxide: a clean method for the synthesis of 5-methylene-1,3-oxazolidin-2-ones from propargylic alcohols, amines and carbon dioxide catalyzed by Cu(I) under mild conditions

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General Methods.

¹H NMR (400 MHz) spectra was obtained as solutions in CCl₃D. Chemical shifts were reported in parts per million (ppm δ) and referenced to TMS. Infrared spectra were recorded as a thin film on sodium bromide and absorptions were reported in wavenumbers (cm⁻¹). Melting points are uncorrected. Conversions of substrate and selectivity to desired product were detected by gas chromatographic analyses. Anhydrous organic solvents were dried and then distilled prior to use. Cyclohexylamine, benzylamine, *n*-butylamine, *n*-heptylamine, aniline, 3-butyn-2-ol, propargyl alcohol, 3,4-dimethyl-1-pentyn-3-ol, 1-ethynyl-1-cyclohexanol, 1-ethynyl-1-cyclopentanol and 2-phenyl-3-butyn-2-ol were not purified prior to use. All other chemicals used in this work were reagent grade or better. All UV-vis spectra of products were obtained from an anhydrous solution of methanol.

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