Supplementary materials for the manuscript "A Practical Synthesis of Differentially-Protected 2-(Hydroxymethyl)piperazines" Hongwu Gao and Adam R. Renslo

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General Methods

¹H NMR and ¹³C NMR spectra were recorded at 300 MHz and 75 MHz, respectively. Chemical shifts are reported in δ units (ppm) relative to tetramethylsilane as an internal standard. Splitting paterns are reported as follows: (s = singlet, bs = broad singlet, br = broad, d = doublet, t = triplet, q = quartet, m = multiplet). Coupling constants (*J*) are reported in hertz (Hz). All reagents and solvents were purchased from commercial suppliers and used as received unless otherwise indicated. Solvent removal was accomplished with a rotary evaporator at ca 10-50 Torr. Column chromatography was performed using silica gel (230-400 mesh) and ethyl acetate/hexane as eluent.





