Supporting Information

Simple Approach to β -Lactam Derivatives through Reversible Generation of Ketenes from *N*-Acylimidazoles

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General Information. Unless otherwise stated, all reagents used are commercially available. Solvents for reactions were purified by standard procedures.¹ The ¹H spectra were acquired by 300 and 400 MHz instruments in CDCl₃ using the residual solvent peaks for calibration. IR spectra were recorded on a FT-IR spectrometer in thin films. Flash chromatography was performed on Merck Si 60 silica gel (230-400 mesh) using chloroform alone or a mixture with methanol as the eluent. Reactions were monitored by analytical TLC, which was performed on Merck silica gel 60 F254 covered aluminum sheets.

¹ Perrin, D. D.; Armarego, W. L. F. *Purification of Laboratory Chemicals*, 3rd edition. Oxford: Pergamon Press, 1988.