PBr$_3$-Mediated [5+1] Annulation of $\alpha$-Alkenoyl-$\alpha$-Carbamoyl Ketene-$S,S$-acetals: Access to Substituted Pyridine-$2,6(1H,3H)$-diones

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Electronic Supplementary Information

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I. Copies of NMR spectra for compounds 2a
STANDARD PROTON PARAMETERS

Archive directory: /export/home/liuy/vnmrsrv/data
Sample directory:
Pulse Sequence: t2pol
Solvent: CDCl3
Ambient temperature
File: 7732 "NEMUSE60"

Relax. delay 1.000 sec
Pulse 40,0 degrees
Acq. time 1.892 sec
Width 3104.1 Hz
22 repetitions

OBSERVE: H1, 499.8025 MHz
DATA PROCESSING

FT size 65536
Total time 1 min, 32 sec