

## Supplementary Material

### Synthesis and conformational analysis of novel tertiary amides derived from *N*-[(*S*)- $\alpha$ -phenylethyl]-1,3-Imidazolidine

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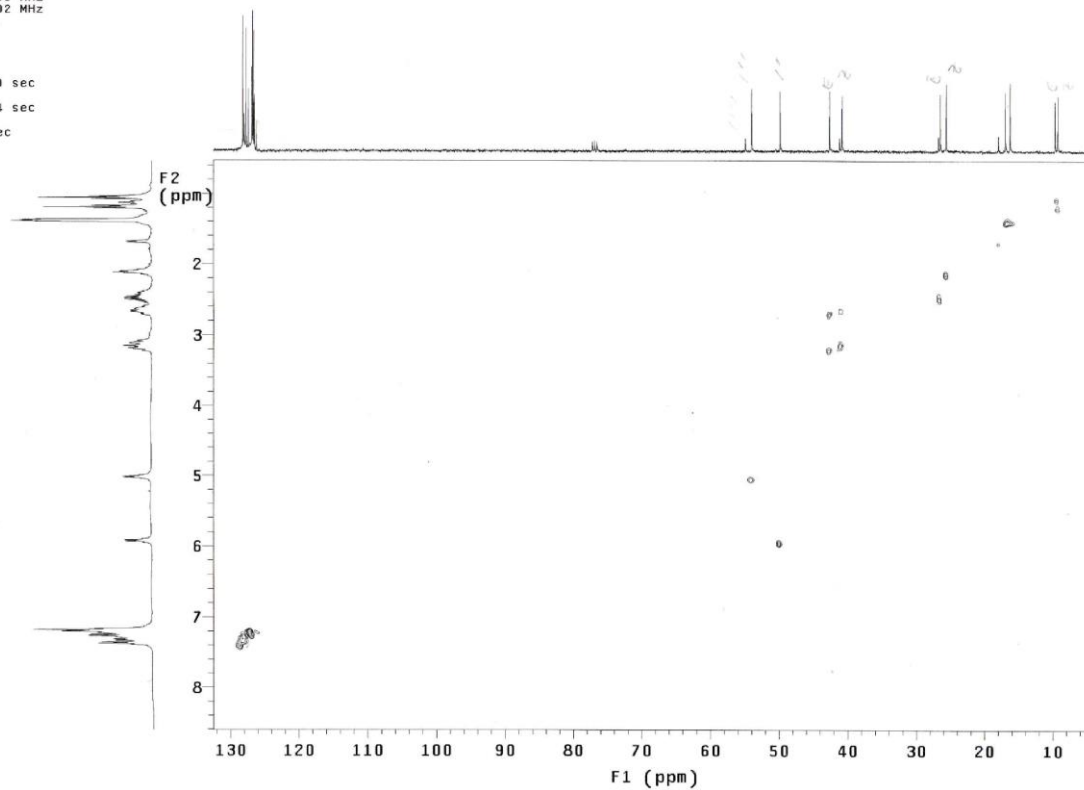
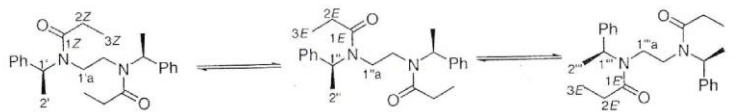
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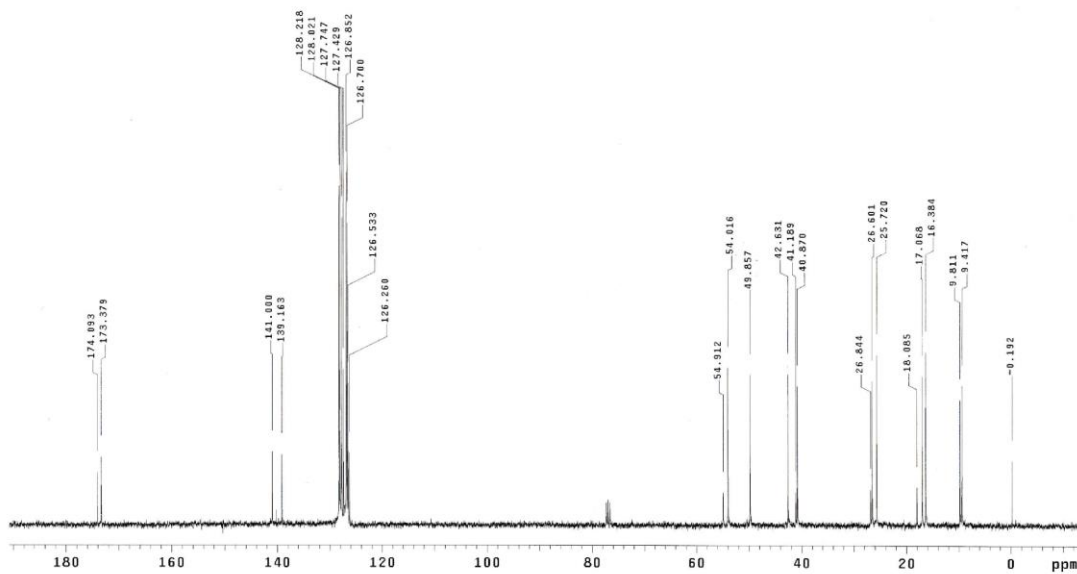
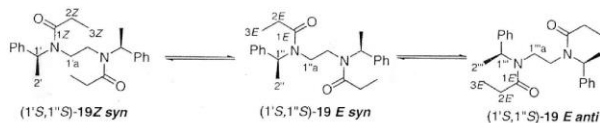
ericka

Pulse Sequence: gHSQC  
 Solvent: CDCl<sub>3</sub>  
 Ambient temperature  
 Mercury-400BB "mercury400"

Relax. delay 1.000 sec  
 Acq. time 0.170 sec  
 Width 6006.0 Hz  
 2D Width 20661.2 Hz  
 4 repetitions  
 2 x 128 increments  
 OBSERVE H1, 399.727406 MHz  
 DECOUPLE C13, 100.5318902 MHz  
 Power 51 dB  
 on during acquisition  
 off during delay  
 GARP-1 modulated  
 DATA PROCESSING  
 Gauss apodization 0.079 sec  
 F1 DATA PROCESSING  
 Gauss apodization 0.014 sec  
 FT size 2048 x 2048  
 Total time 23 min, 43 sec



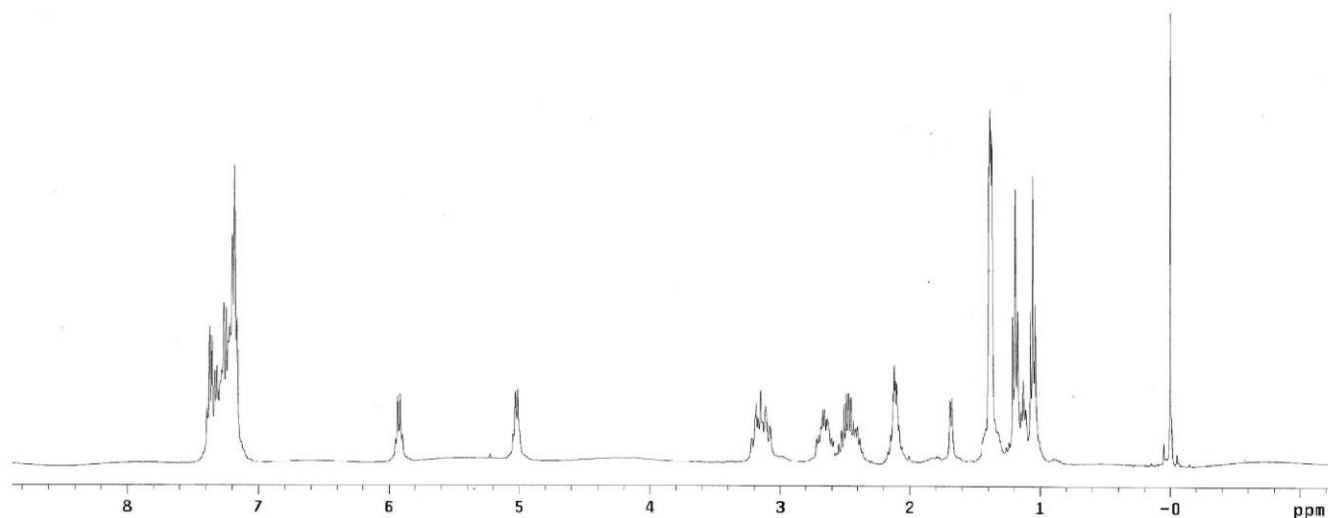
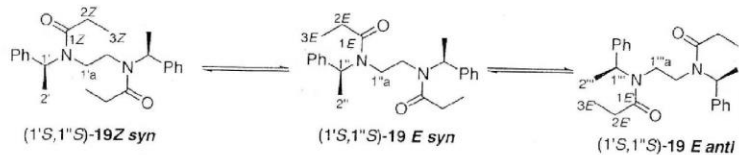
ericka  
 Pulse Sequence: s2pu1  
 Solvent: CDCl3  
 Ambient Temperature  
 Mercury-400BB "mercury400"  
 Relax. delay 8.700 sec  
 Pulse 44.6 degrees  
 Acq. time 0.500 sec  
 Width 23800.0 Hz  
 176 repetitions  
 OBSERVE C13, 100.5229866 MHz  
 DECOUPLE H1, 399.7748452 MHz  
 Power 30 dB  
 continuously on  
 VOLTAGE modulated  
 DATA PROCESSING  
 Line broadening 1.0 Hz  
 FT size 32768  
 Total time 23 min, 1 sec

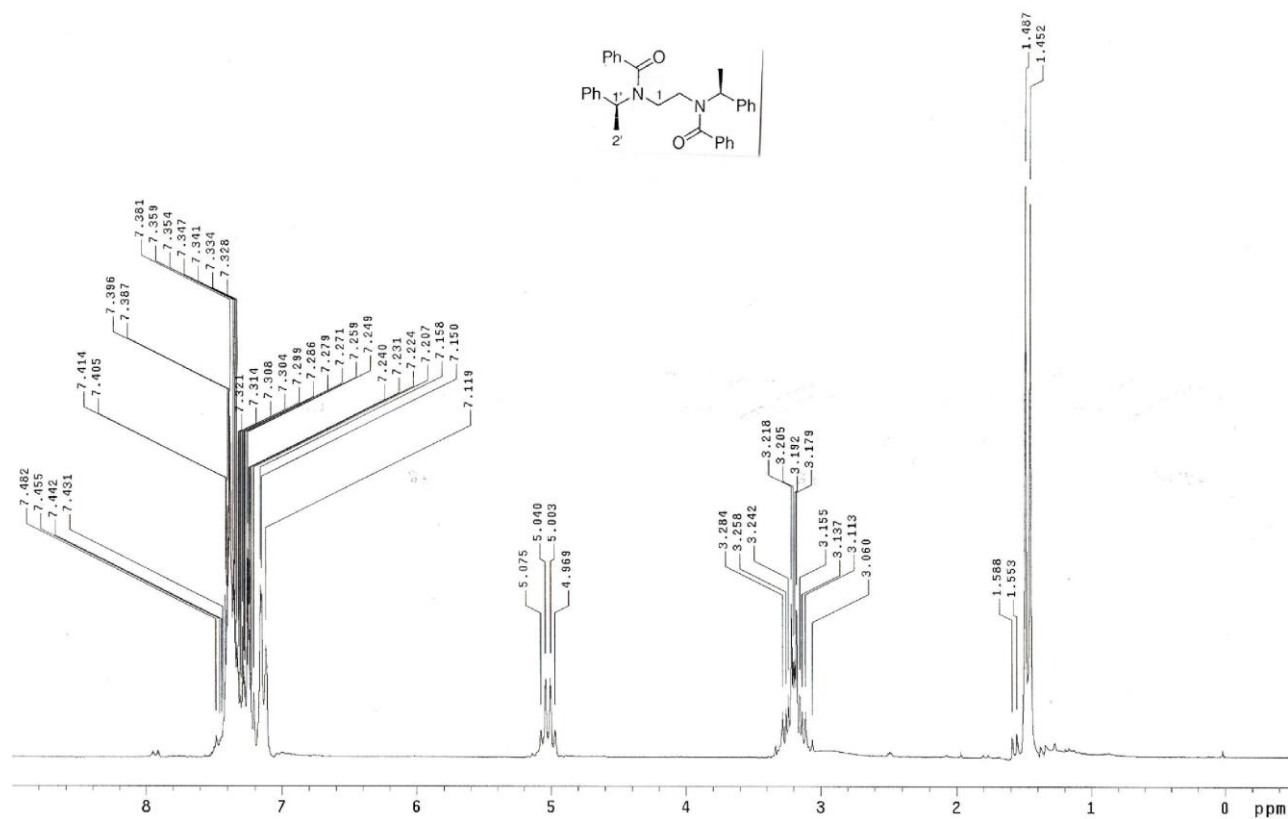


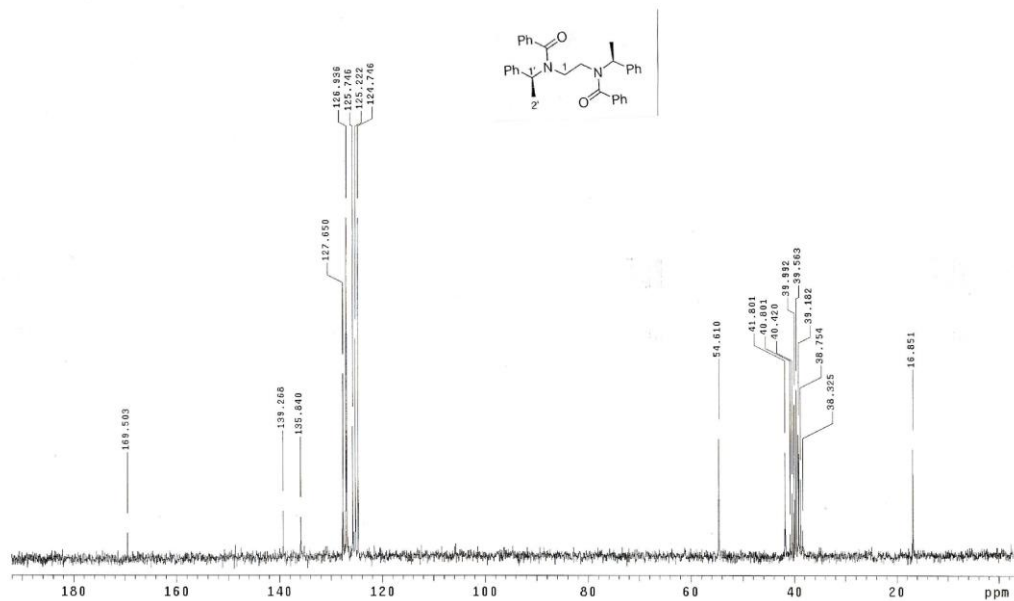
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Pulse Sequence: s2pul  
Solvent: CDCl3  
Ambient temperature  
Mercury-400BB "mercury400"

Relax. delay 1.000 sec  
Pulse 71.6 degrees  
Acq. time 1.995 sec  
Width 6006.0 Hz  
16 repetitions  
OBSERVE H1, 399.7727598 MHz  
DATA PROCESSING  
FT size 32768  
Total time 0 min, 50 sec







STANDARD 1H OBSERVE  
Pulse Sequence: gHSQC  
Solvent: DMSO  
Temp.: 125.0 C / 398.1 K  
Mercury-200 "ultramr"  
  
Relax. delay 1.000 sec  
Acq. time 0.156 sec  
Multi 1639.3 Hz  
2D Width 5883.9 Hz  
4 repetitions  
2 x 128 increments  
OBSERVE H1, 125.9648862 MHz  
DECOUPLE C13, 50.2841663 MHz  
Power 43 dB  
on during acquisition  
off during delay  
GARP-1 regulated  
DATA PROCESSING  
Gauss apodization 0.672 sec  
F1 DATA PROCESSING  
Gauss apodization 0.024 sec  
F1 size 2048 x 2048  
Total time 23 min, 9 sec

