

Supplementary Material

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

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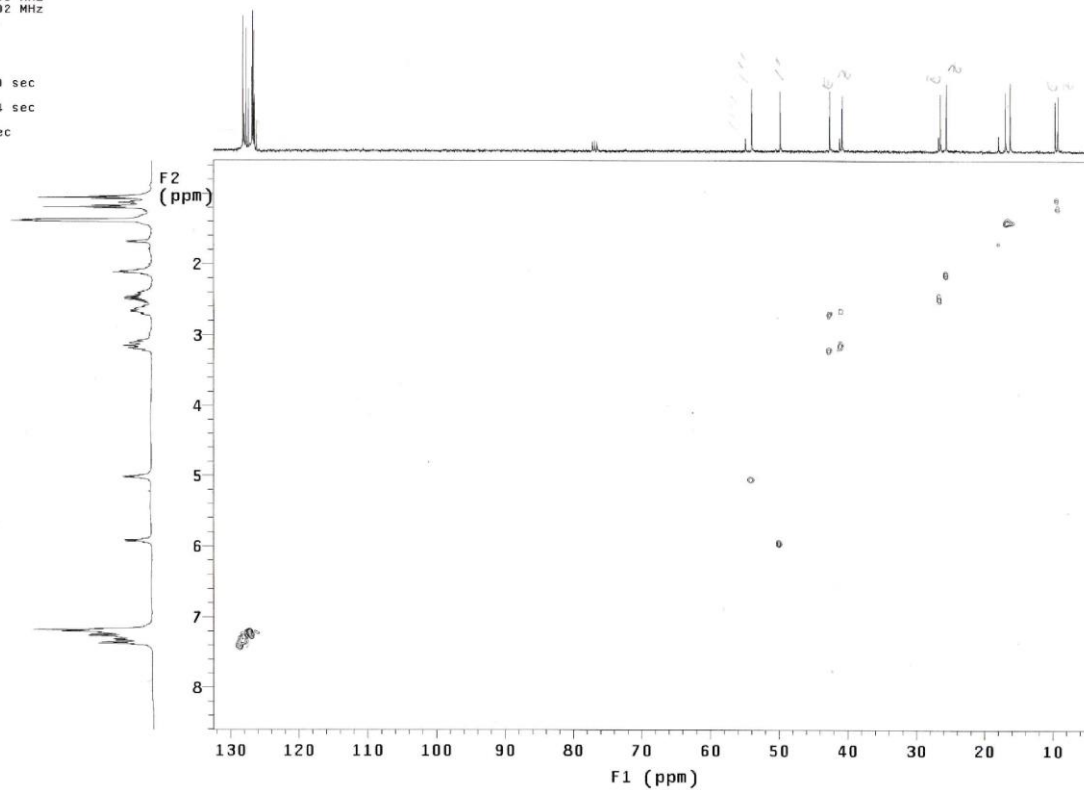
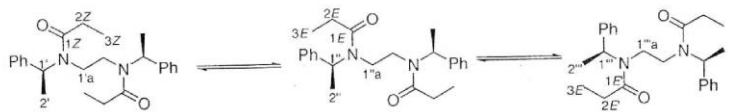
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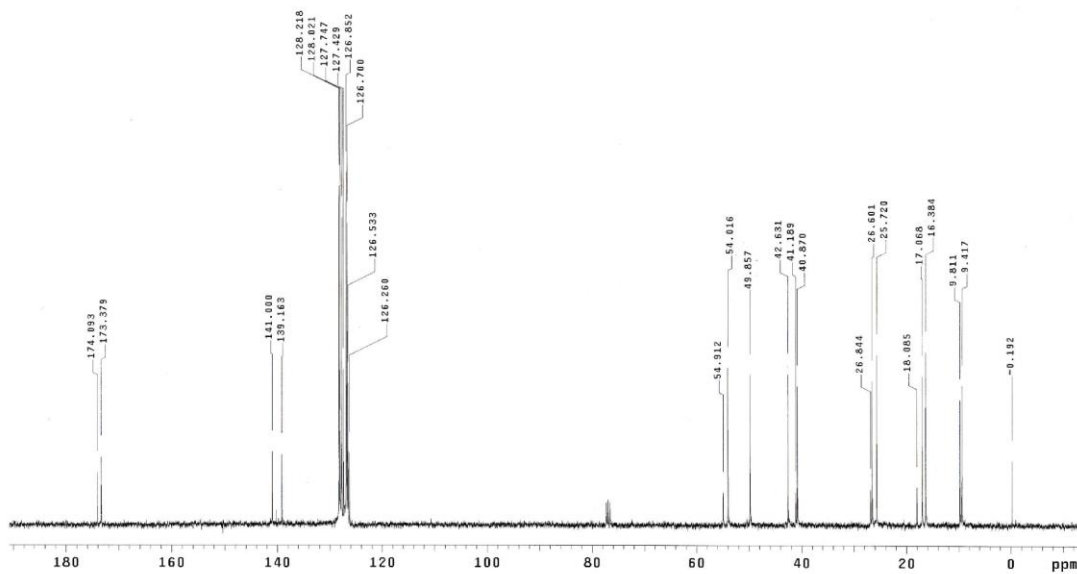
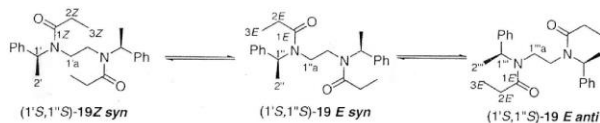
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Pulse Sequence: gHSQC
 Solvent: CDCl₃
 Ambient temperature
 Mercury-400BB "mercury400"

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



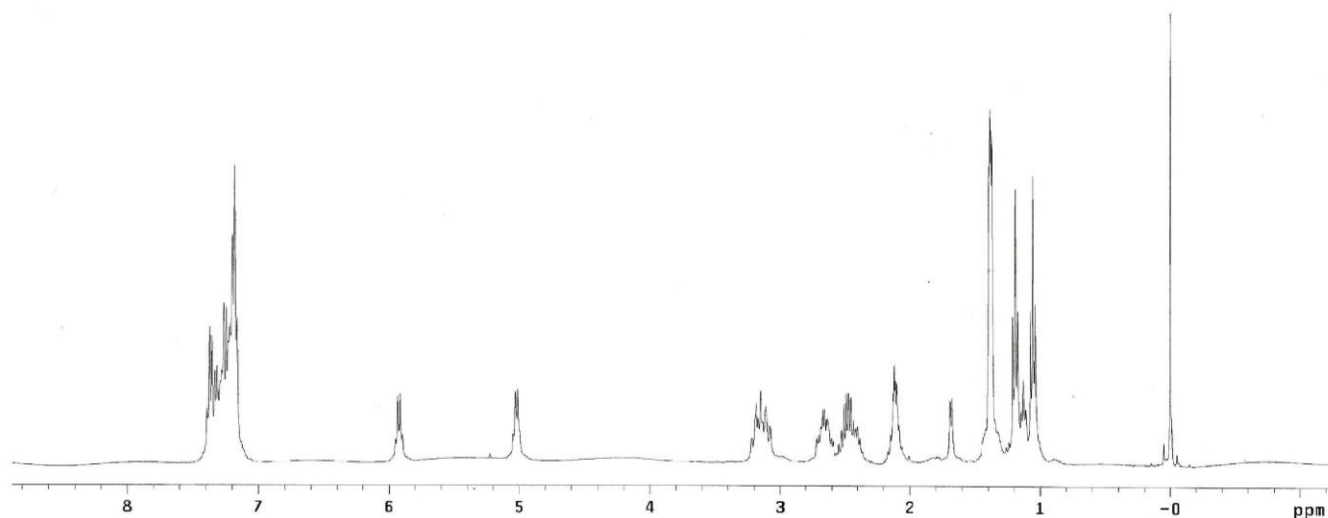
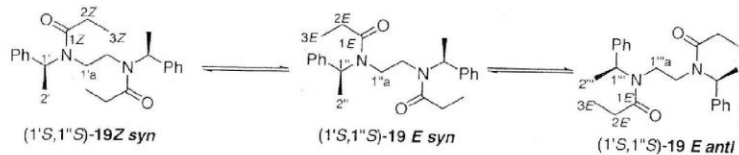
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 Pulse Sequence: s2pu1
 Solvent: CDCl3
 Ambient Temperature
 Mercury-400BB "mercury400"
 Relax. delay 8.700 sec
 Pulse 44.6 degrees
 Acq. time 0.500 sec
 Width 23800.0 Hz
 176 repetitions
 OBSERVE C13, 100.5229866 MHz
 DECOUPLE H1, 399.7748452 MHz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

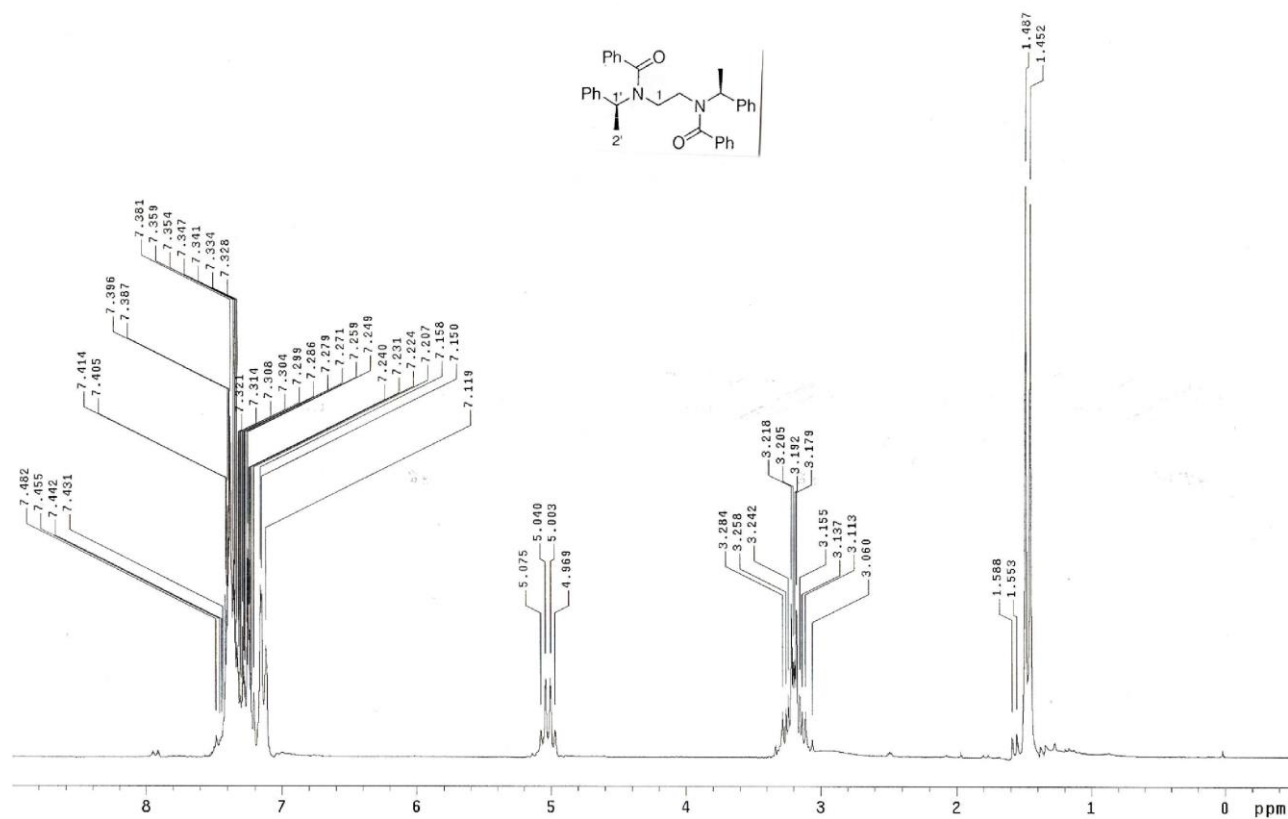


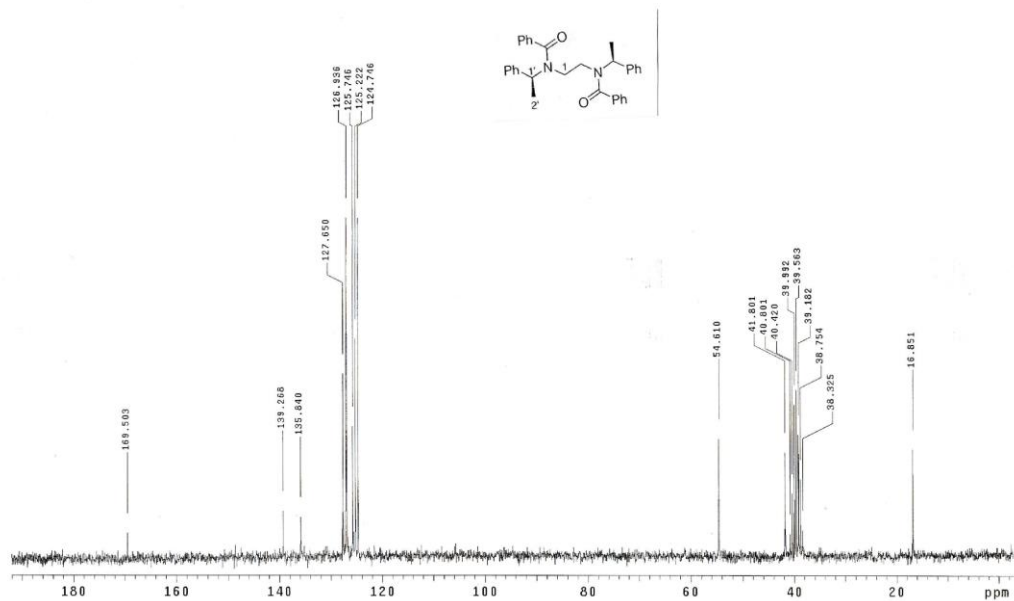
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Pulse Sequence: s2pul
Solvent: CDCl3
Ambient temperature
Mercury-400BB "mercury400"

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, 198.9648862 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

