Supplementary Material B: Selected ^1H NMR Spectra Copper(II) Acetate Promoted Oxidative Cyclization of Phenylsulfonyl-o-Allylanilines

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ESS: m-OMe SM
 Pulse Sequence: s2pul
 Solvent: CDCl3
 Acquisition Temperature:
 GEMINI-500 "focsy.chem.buffalo.edu"
 Relax. delay 2.000 sec
 Pulse 31.5 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 Spectrometer
 OBSERVE H1 300.0739426 MHz
 DATA PROCESSING
 Line broadening 1.0 Hz
 FI size 32768
 Total time 1 min 31 sec

ESS61

Pulse Sequence: s2pul
Solvent: CDCl₃
Ambient temperature
GEMINI-300 "roesy.chem.buffalo.edu"

Relax. delay 2.000 sec
Acq. time 1.598 sec
Width 4500.5 Hz
16 repetitions
OBSERVED FID 300.0739418 MHz
Data file: roesy.chem.buffalo.edu
Line broadening 1.0 Hz
FT size 32768
Total time 1 min, 31 sec

ESS: p-Br SM
 Pulse Sequence: s2pul1
 Solvent: D2O
 Ambient temperature
 GEMINI-300 "poesy.chem.buffalo.edu"
 Relax delay 2.000 sec
 Pulse 31.5 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 18 repetitions
 Observed 300.0739427 MHz
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 32768
 Total time 1 min, 31 sec

TB:1-2
 Pulse Sequence: s2pul
 Solvent: CDCl3
 Ambient temperature
 File: 180922-1H
 GEMINI-500 "tossy.chem.buffalo.edu"
 Relax. delay 2.000 sec
 Pulse 31.5 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 Observed 1H on 300.0739422 MHz
 DATA PROCESSING
 Line broadening 1.0 Hz
 FI size 32768
 Total time 1 min, 31 sec

src-1-172-f3
Pulse Sequence: s2pul

ess-p-Me-T0
 Pulse Sequence: s2pul
 Solvent: CDCl3
 Ambient Temperature
 GENI-500 "freesy-chem.buffalo.edu"
 Relax. delay 2.000 sec
 Pulse 31.5 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 Freq 500.136 MHz
 OBSERVE H1: 300.0739421 MHz
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 32768
 Total time 1 min. 27.60 sec

ESS68p
Pulse Sequence: s2pul
Solvent: CDCl3
Sample Temperature: 300.2 K
60MHz-300 "jossy.chem.buffalo.edu"
Relax. delay 2.000 sec
Pulse 31.5 degrees
Acq. time 1.998 sec
Width 4500.5 Hz
F2 100.625 MHz
OBSERVE H2 136.00239421 MHz
DATA PROCESSING
Line broadening 1.0 Hz
FI size 32768
Total time 14.31 sec

ess-O-Me-major
 Pulse Sequence: s2pul
 Solvent: CDCl3
 Acquisition Temperature:
 GEMINI-300 "f0ssy.Chem.buffalo.edu"
 Relax. delay 2.000 sec
 Pulse 31.5-degrees
 Acq. time 1.898 sec
 Width 4500.5 Hz
 F2 300.136350 MHz
 OBSERVE H1 300.0739432 MHz
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 32768
 Total time 1 min, 31 sec

ESS-para-OMe

Pulse Sequence: s2pul

Solvent: CDCl₃

Acquisition temperature

GEWI-500 "Pcosy.Chem.buffa.to.edu"

Relax. delay 2.000 sec

Pulse 31.5 degrees

Acq. time 1.998 sec

Width 4500.5 Hz

Resolution 0.0001 Hz

OBSERVE H1 300.0739432 MHz

DATA PROCESSING

Line broadening 1.0 Hz

FT size 32768

Total time 1 min, 31 sec

src-I-128-f2
Pulse Sequence: s2pu1

ess-para-bromoprod
 Pulse Sequence: s2pul
 Solvent: CDCl3
 Ambient temperature
 GEMINI-300 "roesy chem.burfi@o.edu"
 Relax. delay 2.000 sec
 Pulse 315 degrees
 Acq. time 1.998 sec
 Width 4500.5 Hz
 Is. repetitions 00.0739418
 0.0739418
 DATA PROCESSING
 Line broadening 1.0 Hz
 FT size 32768
 Total time 1 min, 31 sec

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TB-chloro *ortho*
 Pulse Sequence: s2pu1
 Solvent: CDCl3
 Ambient temperature
 GEMINI-300 "roesy,chem.buffalo.edu"
 Relax: delay 2.000 sec
 Pulse: 9.000 sec
 Acq: 1.938 sec
 Width 4500.5 Hz
 16 repetitions
 OBSERVED F1: 300.0739415 MHz
 OBSERVED F2: 101.6261250 MHz
 Line broadening 1.0 Hz
 FT size 32768
 Total time 1 min, 31 sec

TB-1-chloro-para
Pulse Sequence: s2pu1