Electronic Supplementary Information

Ferric perchlorate-mediated one-step reaction of [60]fullerene with primary amides for the synthesis of fullerooxazoles

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UV-vis spectrum of fullerooxazole 2g  S2
UV-vis spectrum of fullerooxazole 2h  S3
UV-vis spectrum of fullerooxazole 2o  S4
1H NMR spectrum of compound 2a  S5
13C NMR spectrum of compound 2a  S6-S7
1H NMR spectrum of compound 2b  S8
1H NMR spectrum of compound 2c  S9
1H NMR spectrum of compound 2d  S10
1H NMR spectrum of compound 2e  S11
1H NMR spectrum of compound 2f  S12
1H NMR spectrum of compound 2g  S13
13C NMR spectrum of compound 2g  S14-S15
1H NMR spectrum of compound 2h  S16
13C NMR spectrum of compound 2h  S17-S18
1H NMR spectrum of compound 2i  S19
1H NMR spectrum of compound 2j  S20
1H NMR spectrum of compound 2k  S21
1H NMR spectrum of compound 2l  S22
1H NMR spectrum of compound 2m  S23
1H NMR spectrum of compound 2n  S24
1H NMR spectrum of compound 2o  S25
13C NMR spectrum of compound 2o  S26-S27
UV-vis spectrum of compound 2g in CHCl₃
UV-vis spectrum of compound 2h in CHCl₃

Absorption

Wavelength (nm)
UV-vis spectrum of compound 2o in CHCl₃
$^1$H NMR (400 MHz, CD$_2$Cl$_2$/DMSO-d$_6$) of compound 2a
$^1$H NMR (400 MHz, CS$_2$/CDCl$_3$) of compound 2b

![Chemical structure of compound 2b]

- NMR spectrum showing chemical shifts in ppm.
$^1$H NMR (400 MHz, CD$_3$OD) of compound 2c
$^{1}$H NMR (400 MHz, CS$_2$/DMSO-$d_6$) of compound 2e
$^1$H NMR (400 MHz, CD$_2$/CDCl$_3$) of compound 2f
$^1$H NMR (400 MHz, CS$_2$/CDCl$_3$) of compound 2g
$^{13}$C NMR (100 MHz, CS$_2$/CDCl$_3$) of compound 2g
$^1$H NMR (400 MHz, CD$_2$/CDCl$_3$) of compound 2h
$^{13}$C NMR (100 MHz, CS$_2$/DMSO-$d_6$) of compound 2h
$^{13}$C NMR (100 MHz, CD$_2$Cl$_2$/DMSO-d$_6$) of compound 2h
$^1$H NMR (400 MHz, CS$_2$/CDCl$_3$) of compound 2i
${}^1$H NMR (400 MHz, CS$_2$/CDCl$_3$) of compound 2k
$^1$H NMR (400 MHz, CS$_2$/CDCl$_3$) of compound 2m
$^{13}$C NMR (100 MHz, CS$_2$/CDCl$_3$) of compound 2o
$^{13}$C NMR (100 MHz, CD$_2$Cl$_2$) of compound 20