Electronic Supplementary Information

Iodine-Mediated Synthesis of Benzo[a]fluorenones from Yne-enones

Sikkandarkani Akbar, V. John Tamilarasan and Kannupal Srinivasan*

School of Chemistry, Bharathidasan University, Tiruchirapalli 620 024, Tamil Nadu, India

Fax: (+91)-431-2407045; Phone: (+91)-431-2407053-538; Email.id: srinivasank@bdu.ac.in

Contents

Copies of $^1$H NMR and $^{13}$C NMR for all products..................................................S2-S43
Figure 1: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2a
Figure 2: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2a
Figure 3: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2b
Figure 4: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of $2b$
Figure 5: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2c
Figure 6: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2c
Figure 7: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2d
Figure 8: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2d
Figure 9: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2e
Figure 10: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2e
Figure 11: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2f
Figure 12: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2f
Figure 13: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2g
Figure 14: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2g
Figure 15: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2h
**Figure 16:** $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2h
Figure 17: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2i
Figure 18: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2i
Figure 19: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2j
Figure 20: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2j
Figure 21: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2k
Figure 22: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2k
Figure 23: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2I
Figure 24: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2l
Figure 25: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2m
Figure 26: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2m
Figure 27: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2n
Figure 28: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2n
Figure 29: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2o
Figure 30: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2o
**Figure 31:** $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2q
Figure 32: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2q
Figure 33: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2r
Figure 34: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2r
Figure 35: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 2s
Figure 36: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 2s
Figure 37: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 7
Figure 38: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 7
Figure 39: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 8
Figure 40: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 8
Figure 41: $^1$H NMR (400 MHz, CDCl$_3$) spectrum of 9
Figure 42: $^{13}$C NMR (100 MHz, CDCl$_3$) spectrum of 9