Supplementary Material
A new methodology for the synthesis of N-acylbenzotriazoles

Anoop S. Singh, Anand K. Agrahari, Mala Singh, Nidhi Mishra and Vinod K. Tiwari*

Department of Chemistry, Institute of Science, Banaras Hindu University,
Varanasi, Uttar Pradesh-221 005, India
Email: Tiwari_chem@yahoo.co.in

Dedicated to the late Prof. Alan R Katritzky for his excellent contributions to benzotriazole chemistry

$^{1}$H and $^{13}$C NMR spectrum of N-Acylbenzotriazole derivatives (RCOBt, 2a-o)
Reference


Spectrum 1: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2a
Spectrum 2: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2a
Spectrum 3: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2b
Spectrum 4: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2b
Spectrum 5: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2c
Spectrum 6: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2c
Spectrum 7: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2d
Spectrum 8: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2d
Spectrum 9: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2e
Spectrum 10: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2e
**Spectrum 11: **$^1$H NMR (500 MHz, CDCl$_3$) of compound 2f
Spectrum 12: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2f
Spectrum 13: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2g
Spectrum 14: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2g
Spectrum 15: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2h
Spectrum 16: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2h
**Spectrum 17:** $^1$H NMR (500 MHz, CDCl$_3$) of compound 2i
Spectrum 18: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2i
Spectrum 19: $^1$H NMR (500 MHz, CDCl$_3$) of compound $2j$
Spectrum 20: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2j
Spectrum 21: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2k
Spectrum 22: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2k
Spectrum 23: $^1$H NMR (300 MHz, CDCl$_3$) of compound 2l
Spectrum 24: $^{13}$C NMR (75 MHz, CDCl$_3$) of compound 2I
Spectrum 25: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2m
Spectrum 26: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2m
Spectrum 27: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2n
Spectrum 28: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2n
Spectrum 29: $^1$H NMR (500 MHz, CDCl$_3$) of compound 2o
Spectrum 30: $^{13}$C NMR (125 MHz, CDCl$_3$) of compound 2o