Copies of ¹H & ¹³C NMR spectra

Novel thieno[2,3-*d*]pyrimidines: Their design, synthesis, crystal structure analysis and pharmacological evaluation

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Fig.1: ¹H NMR spectra of compound **5a** (CDCl₃, 400 MHz)



Fig.2: ¹³C NMR spectra of compound **5a** (CDCl₃, 100 MHz)



Fig.3: ¹H NMR spectra of compound **5b** (CDCl₃, 400 MHz)



Fig.4: ¹³C NMR spectra of compound **5b** (CDCl₃, 100 MHz)



Fig.5: ¹H NMR spectra of compound **5cc** (DMSO- d_6 , 400 MHz)



Fig.6: ¹³C NMR spectra of compound **5cc** (CDCl₃, 100 MHz)



Fig.7: ¹H NMR spectra of compound **5c** (CDCl₃, 400 MHz)

Fig.8: ¹³C NMR spectra of compound **5c** (CDCl₃, 100 MHz)

Fig.9: ¹H NMR spectra of compound **5dd** (CDCl₃, 400 MHz)

Fig.11: ¹H NMR spectra of compound **5d** (CDCl₃, 400 MHz)

Fig.12: ¹³C NMR spectra of compound **5d** (CDCl₃, 100 MHz)

Fig.13: ¹H NMR spectra of compound **6a** (CDCl₃, 400 MHz)

Fig.14: ¹³C NMR spectra of compound **6a** (CDCl₃, 100 MHz)

Fig.16: ¹³C NMR spectra of compound **6b** (CDCl₃, 100 MHz)

Fig.17: ¹H NMR spectra of compound **6c** (CDCl₃, 400 MHz)

Fig.18: ¹³C NMR spectra of compound **6c** (CDCl₃, 100 MHz)

Fig.20: ¹³C NMR spectra of compound **6d** (CDCl₃, 100 MHz)

Fig.21: ¹H NMR spectra of compound **7a** (CDCl₃, 400 MHz)

Fig.23: ¹H NMR spectra of compound **7b** (CDCl₃, 400 MHz)

Fig.25: ¹H NMR spectra of compound **7c** (CDCl₃, 400 MHz)

Fig.27: ¹H NMR spectra of compound **7d** (CDCl₃, 400 MHz)

Fig.28: ¹³C NMR spectra of compound **7d** (CDCl₃, 100 MHz)

Fig.29: ¹H NMR spectra of compound **8a** (CDCl₃, 400 MHz)

Fig.31: ¹H NMR spectra of compound **8b** (CDCl₃, 400 MHz)

Fig.33: ¹H NMR spectra of compound **8c** (CDCl₃, 400 MHz)

Fig.34: ¹³C NMR spectra of compound **8c** (CDCl₃, 100 MHz)

Fig.38: ¹³C NMR spectra of compound **9a** (CDCl₃, 100 MHz)

Fig.39: ¹H NMR spectra of compound **9b** (CDCl₃, 400 MHz)

Fig.40: ¹³C NMR spectra of compound **9b** (CDCl₃, 100 MHz)

Fig.41: ¹H NMR spectra of compound **9c** (CDCl₃, 400 MHz)

Fig.42: ¹³C NMR spectra of compound **9c** (CDCl₃, 100 MHz)

Fig.43: ¹H NMR spectra of compound **9d** (CDCl₃, 400 MHz)

Fig.44: ¹³C NMR spectra of compound **9d** (CDCl₃, 100 MHz)

Fig.45: ¹H NMR spectra of compound **10a** (CDCl₃, 400 MHz)

Fig.46: ¹³C NMR spectra of compound **10a** (CDCl₃, 100 MHz)

Fig.48: ¹³C NMR spectra of compound **10b** (CDCl₃, 100 MHz)

Fig.51: ¹H NMR spectra of compound **10d** (CDCl₃, 400 MHz)

Fig.52: ¹³C NMR spectra of compound **10d** (CDCl₃, 100 MHz)

Fig.53: ¹H NMR spectra of compound **11a** (CDCl₃, 400 MHz)

Fig.56: ¹³C NMR spectra of compound **11b** (CDCl₃, 100 MHz)

Fig.57: ¹H NMR spectra of compound **11c** (CDCl₃, 400 MHz)

Fig.58: ¹³C NMR spectra of compound **11c** (CDCl₃, 100 MHz)

Fig.61: ¹H NMR spectra of compound **12** (DMSO-*d*₆, 400 MHz)

Fig.62: ¹³C NMR spectra of compound **12** (DMSO- d_6 , 100 MHz)

Fig.63: ¹H NMR spectra of compound **13** (CDCl₃, 400 MHz)

Fig.65: ¹H NMR spectra of compound **14** (DMSO-*d*₆, 400 MHz)

Fig.66: ¹³C NMR spectra of compound **14** (DMSO-*d*₆, 100 MHz)

Fig.67: ¹H NMR spectra of compound **15** (CDCl₃, 400 MHz)

Fig.68: ¹³C NMR spectra of compound **15** (CDCl₃, 100 MHz)

Fig.69: ¹H NMR spectra of compound **16** (CDCl₃, 400 MHz)

