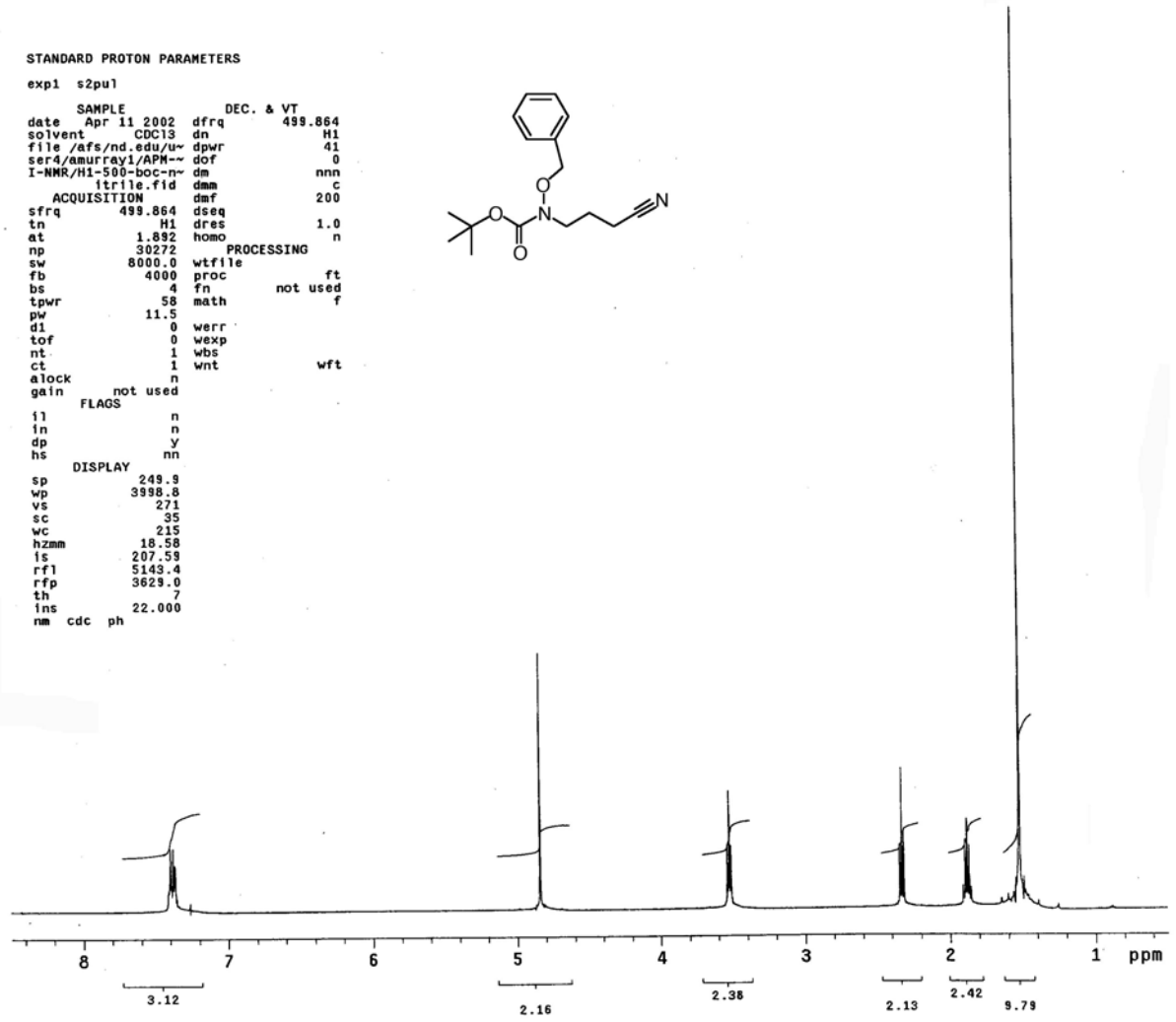
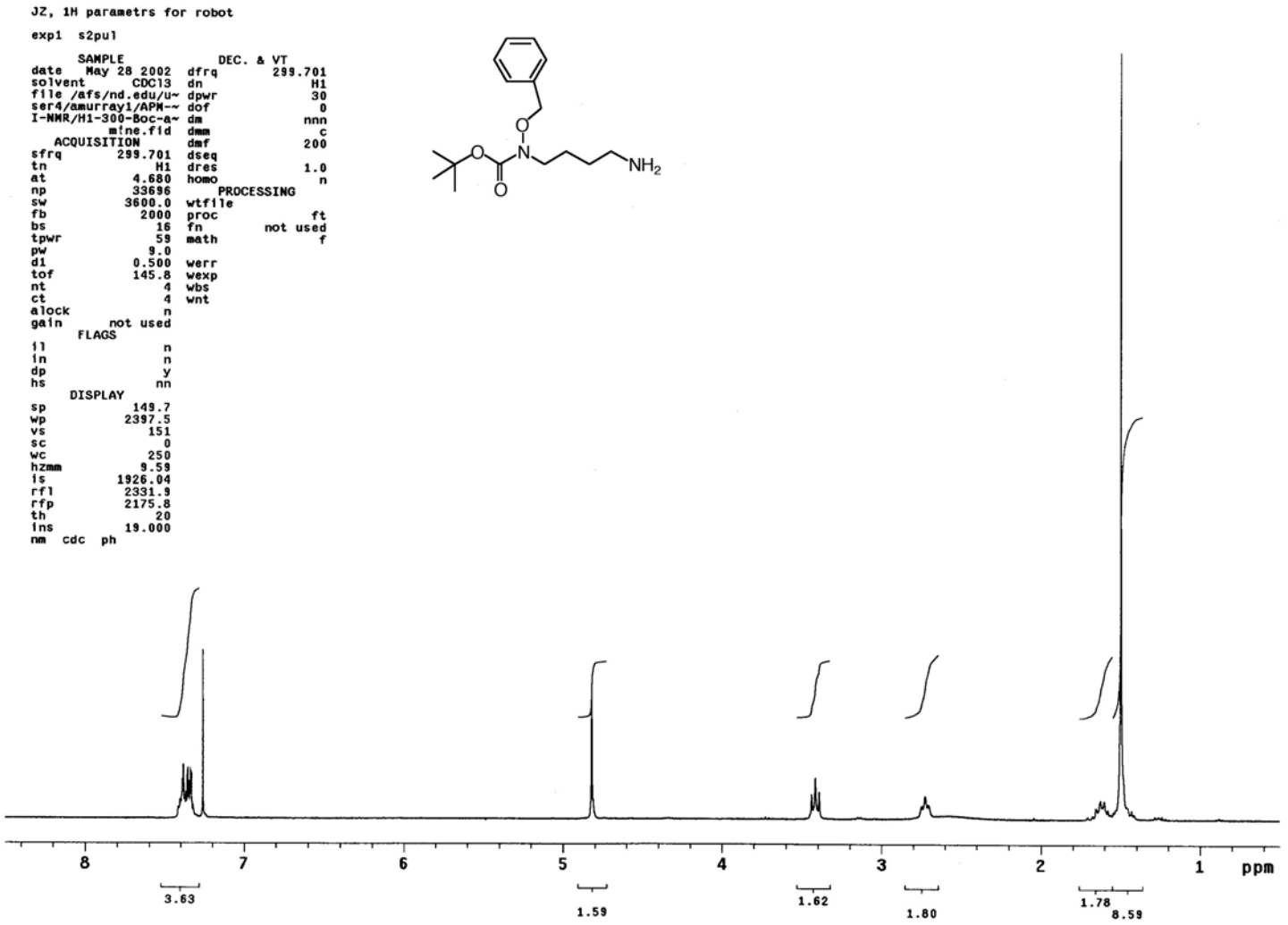
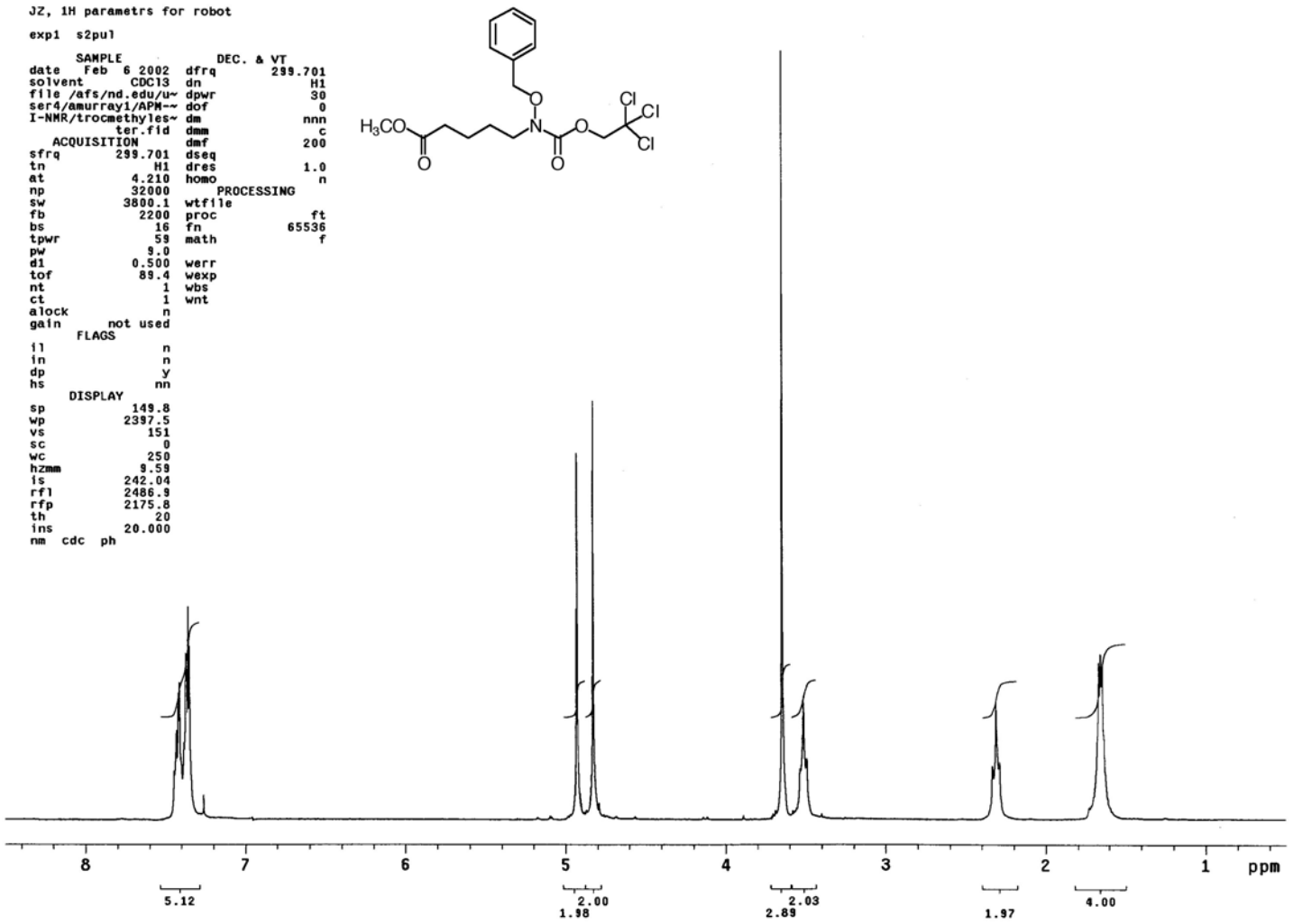


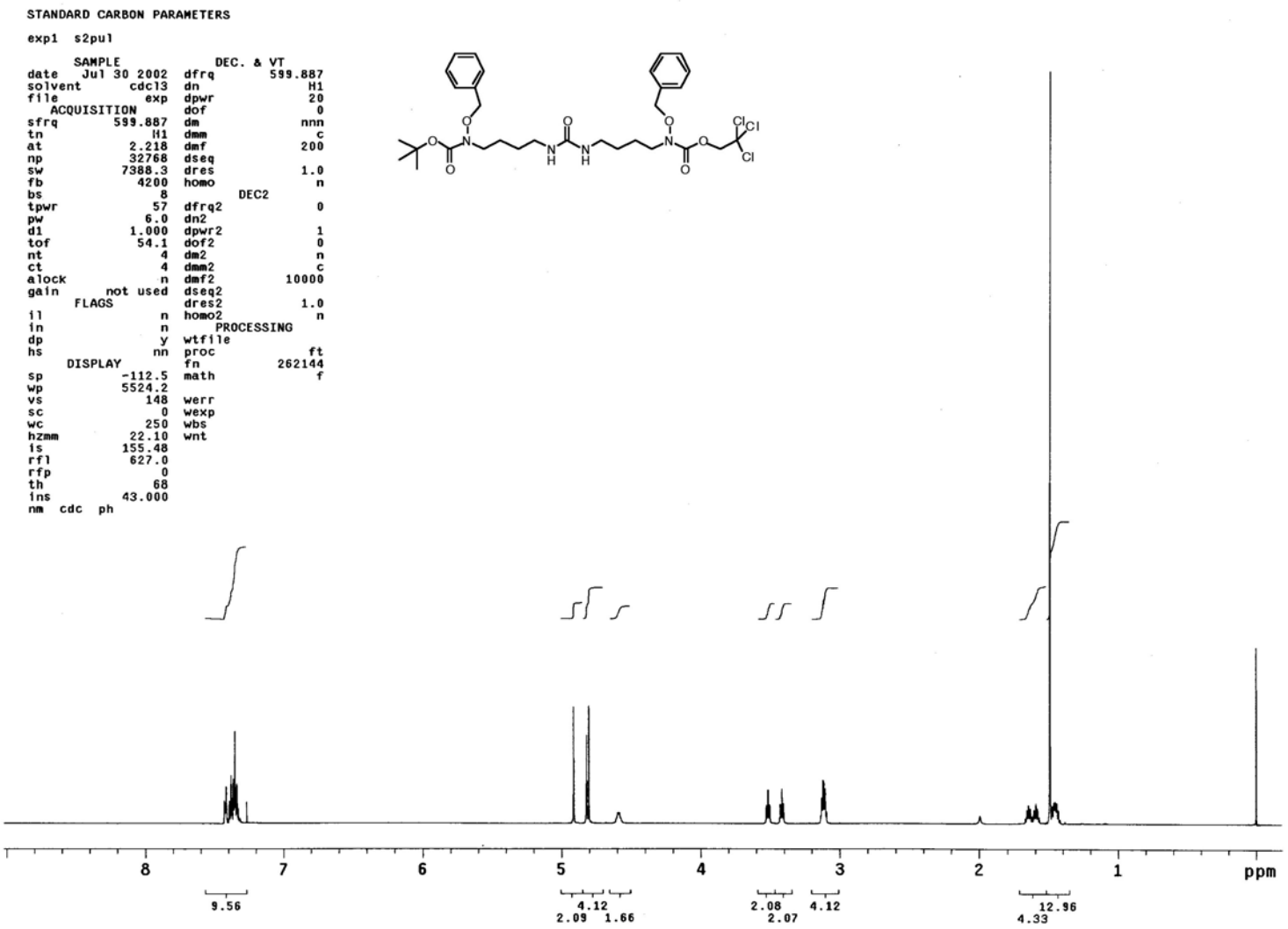
^{1}H NMR (500 MHz) of **4**



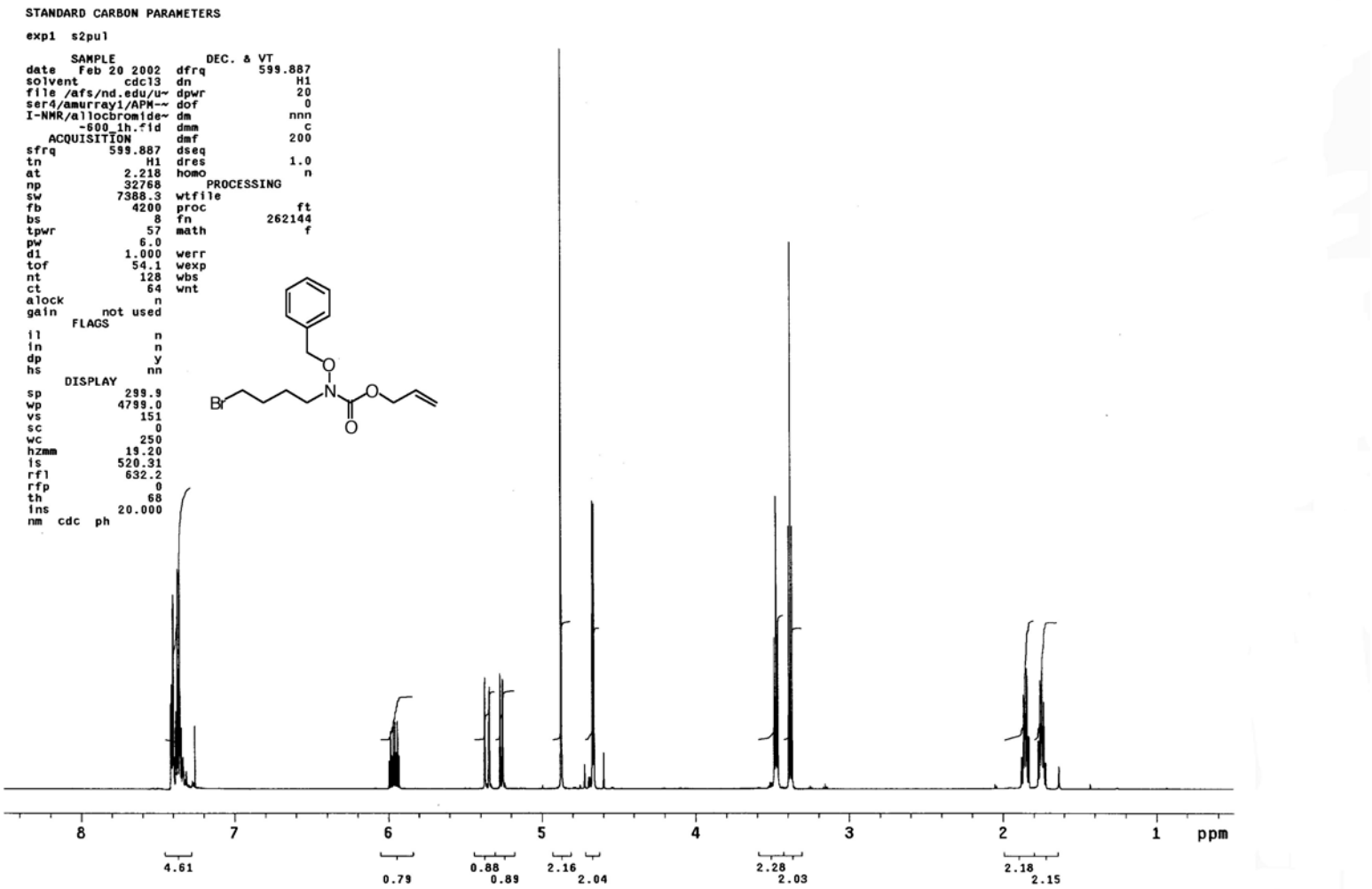
^{1}H NMR (300 MHz) of **5**



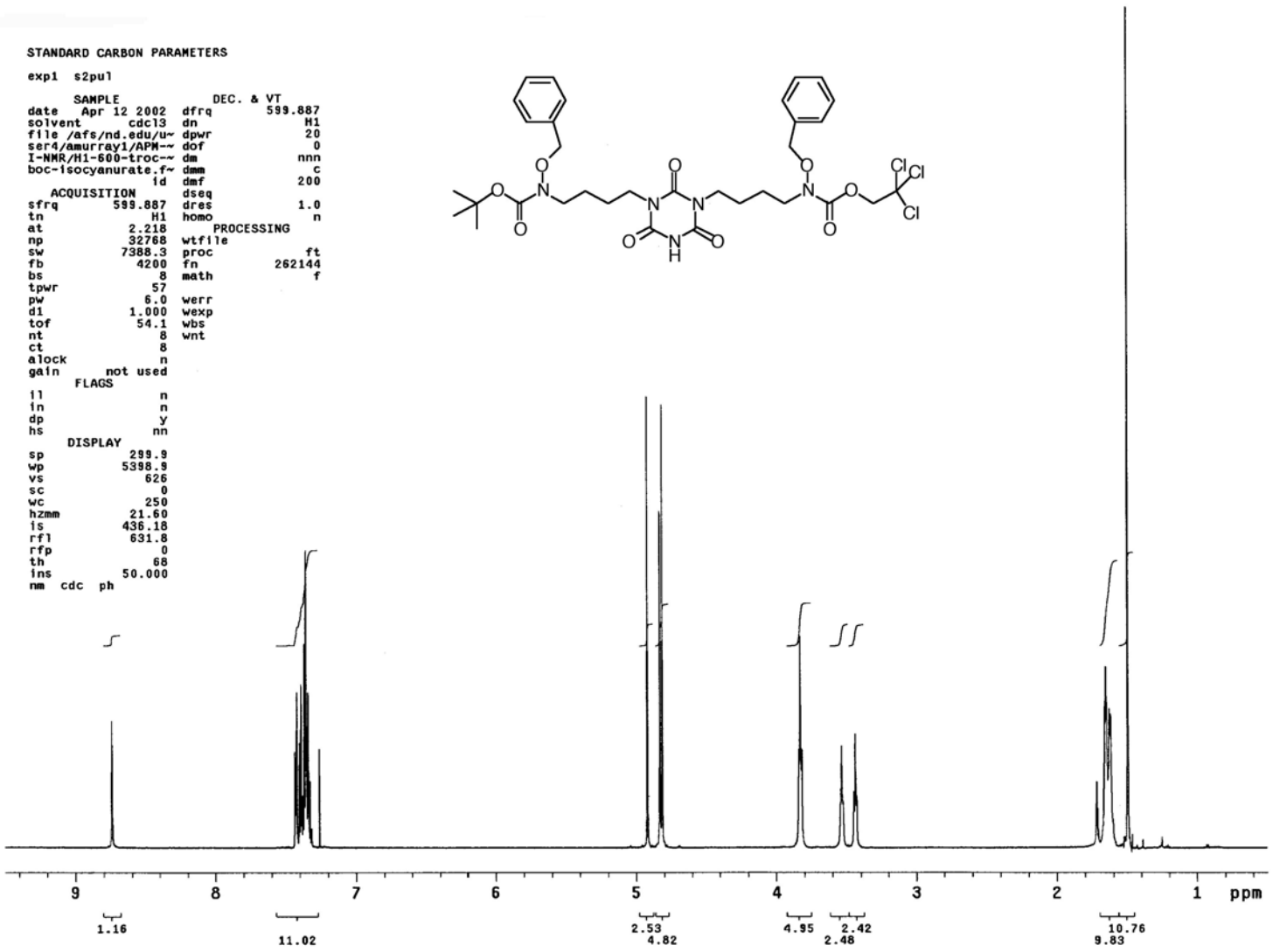
^{1}H NMR (600 MHz) of **7**



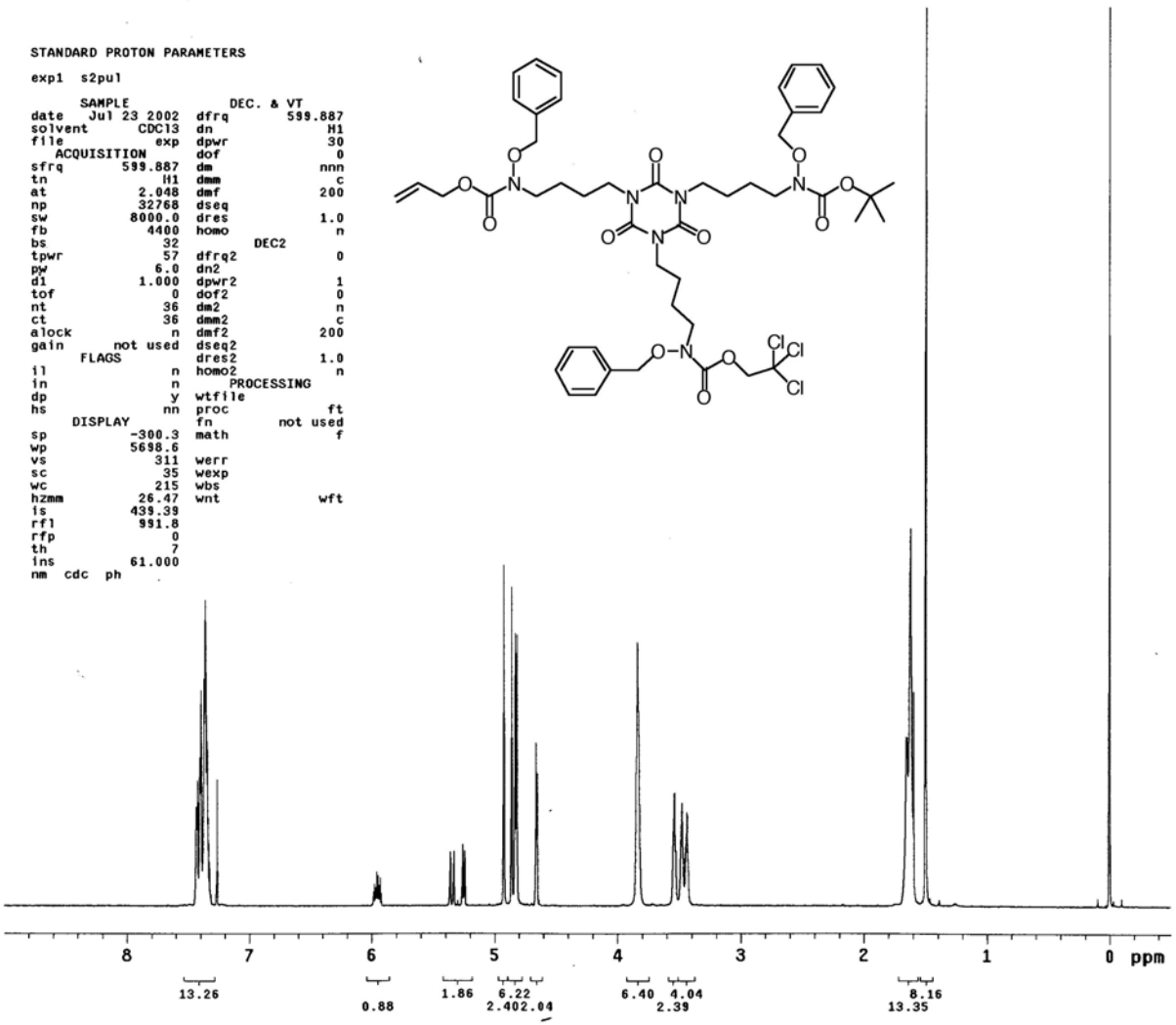
^{1}H NMR (600 MHz) of **9**



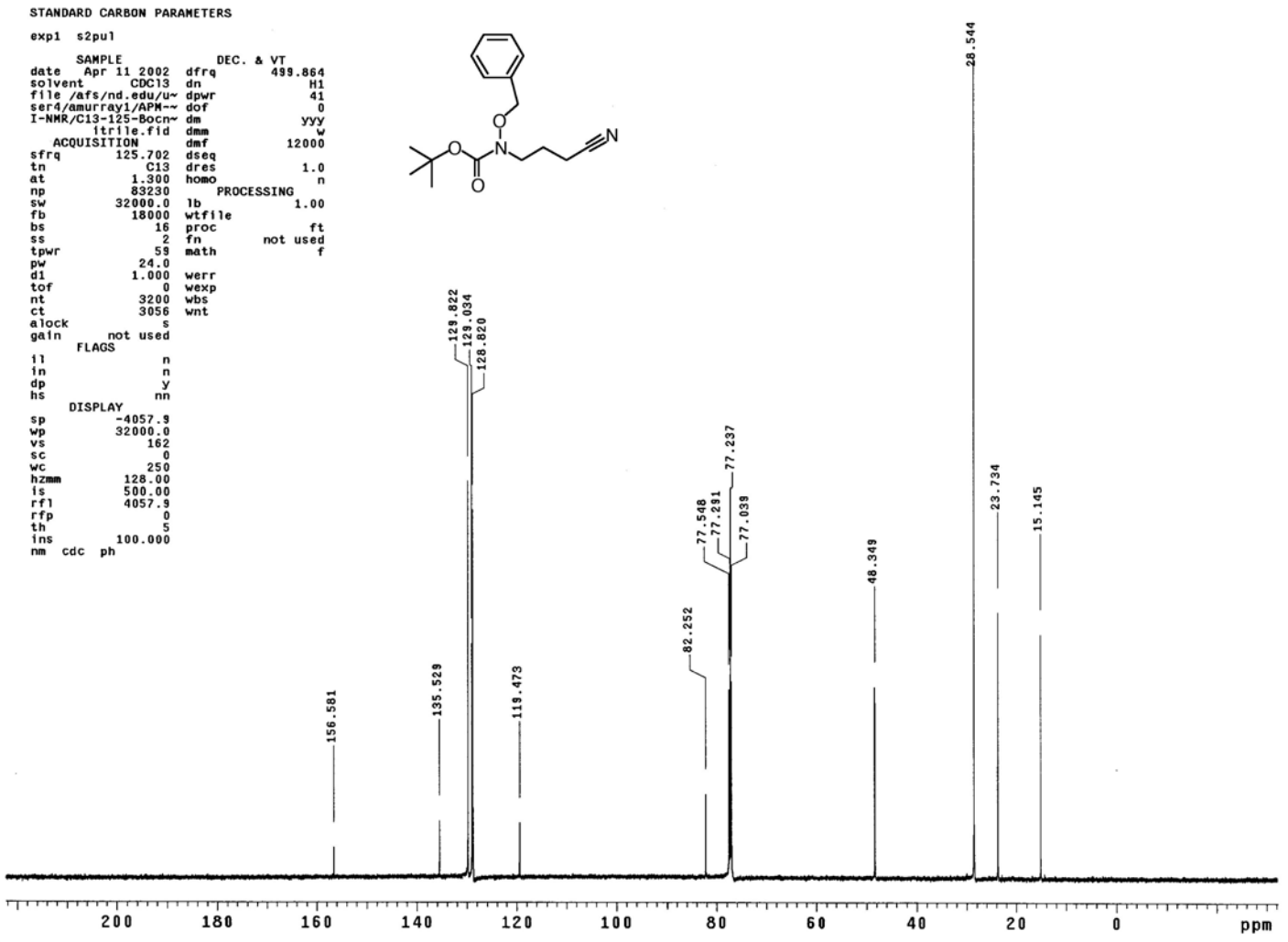
^{1}H NMR (600 MHz) of **11**



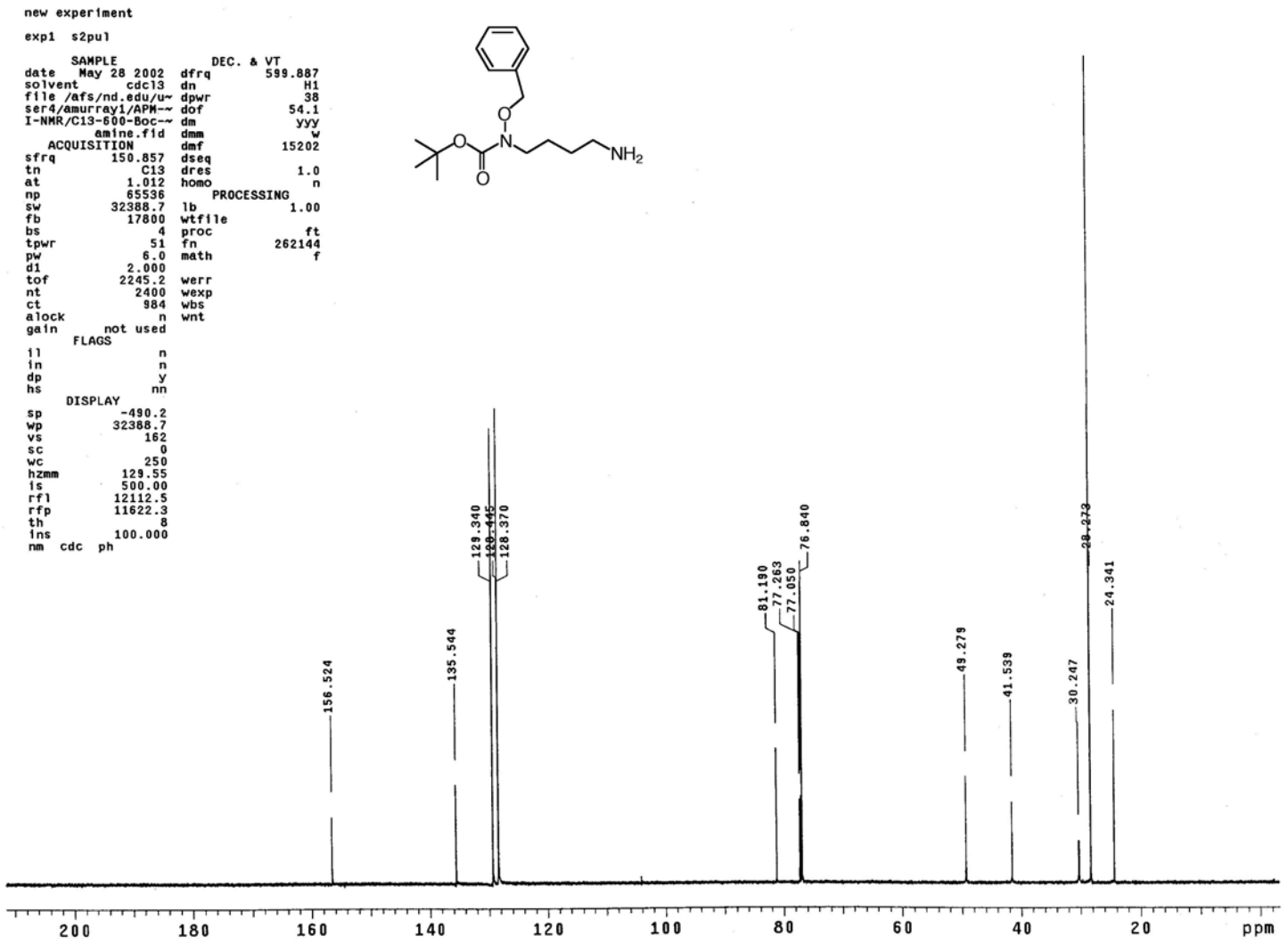
^{1}H NMR (600 MHz) of **12**



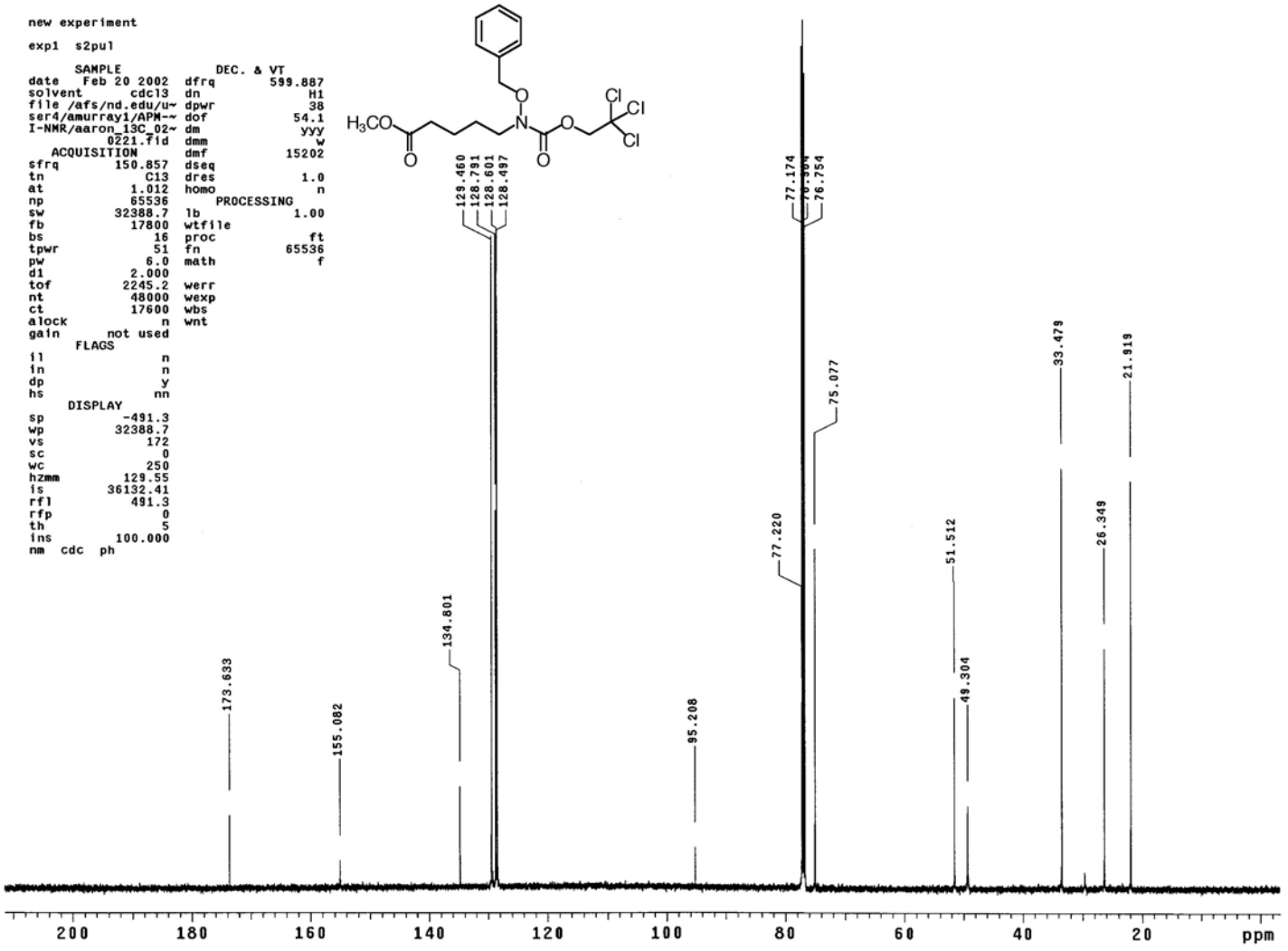
^{1}H NMR (600 MHz) of **13**



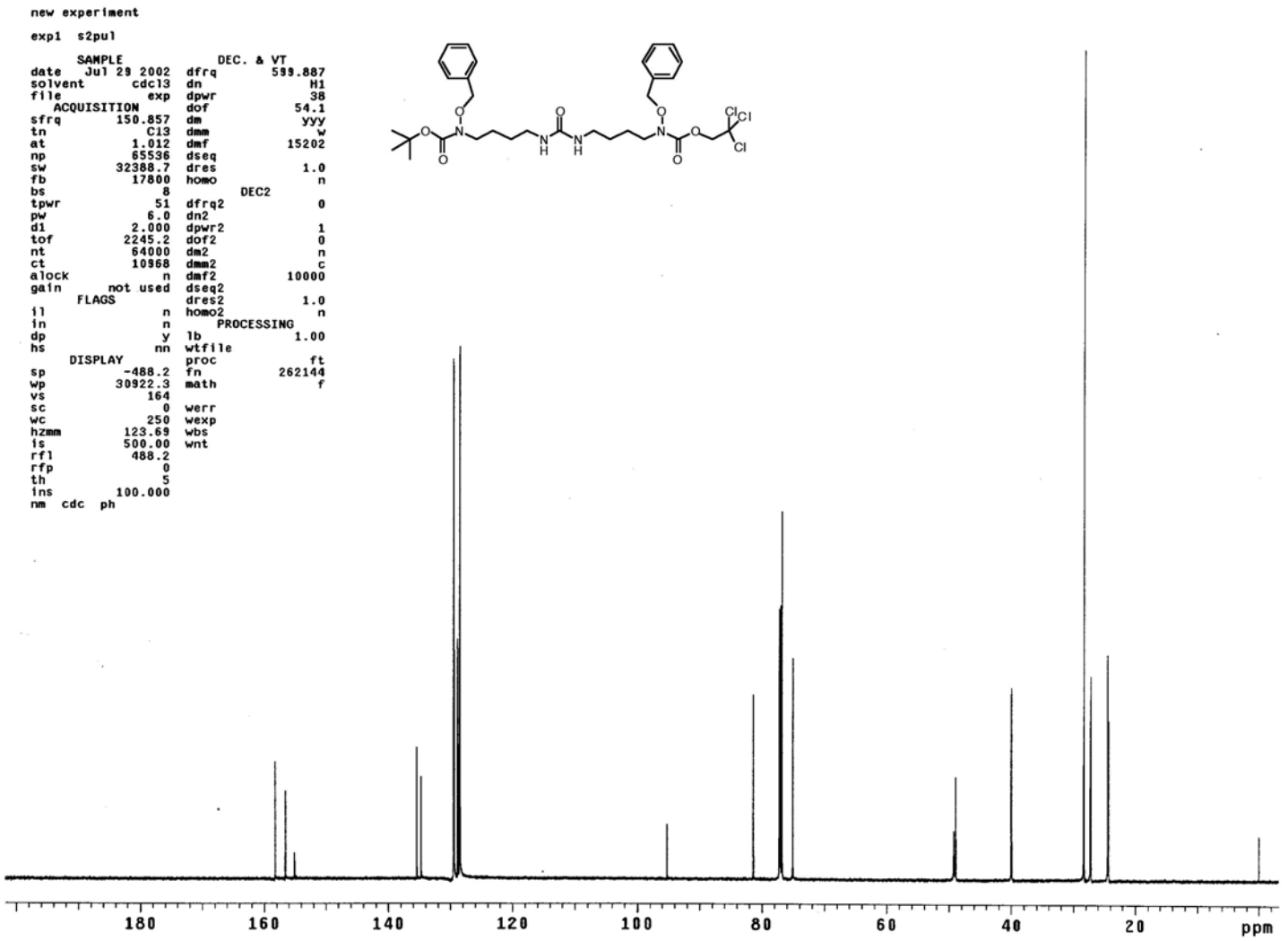
^{13}C NMR (125 MHz) of **4**



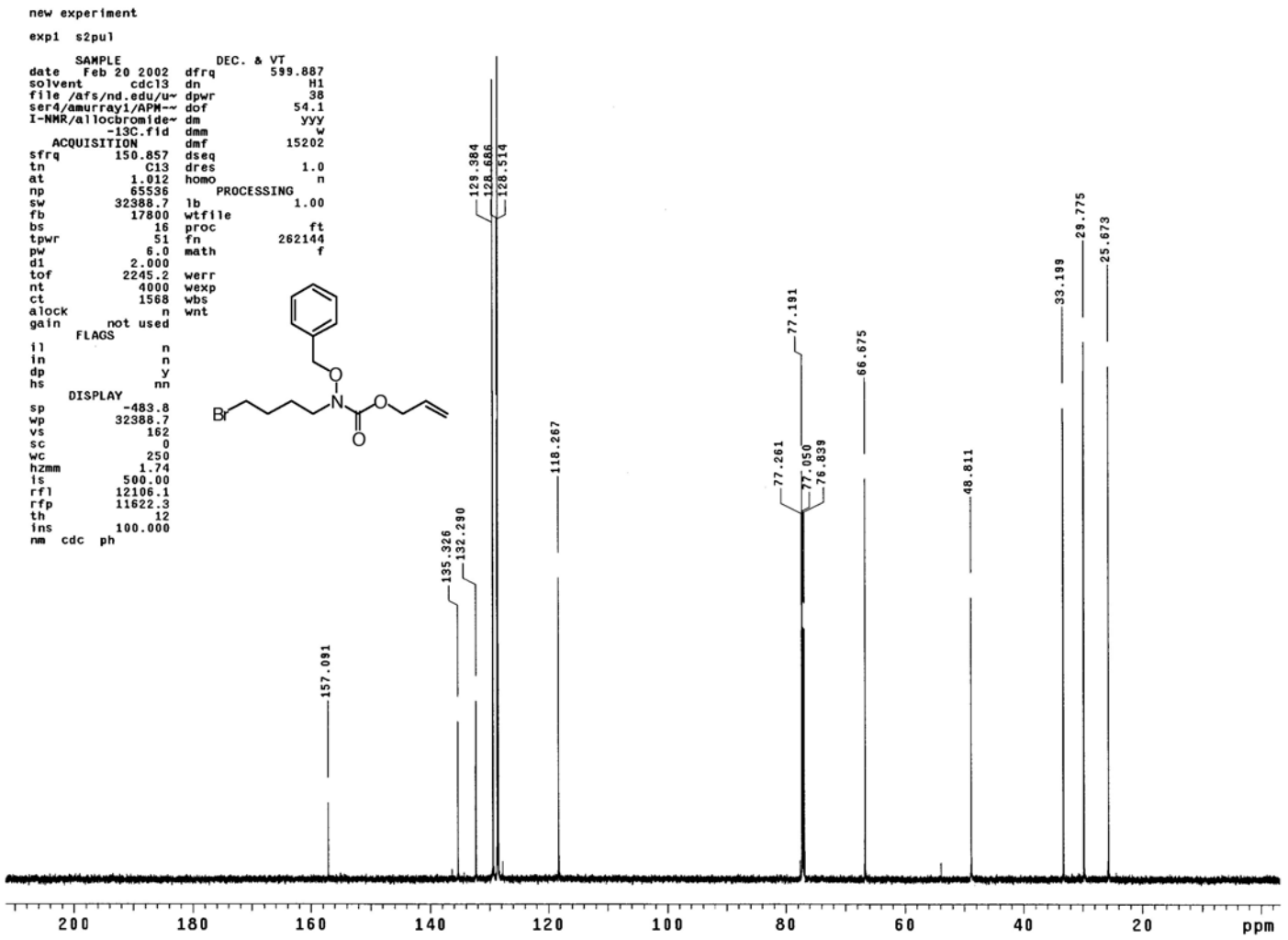
^{13}C NMR (150 MHz) of **5**



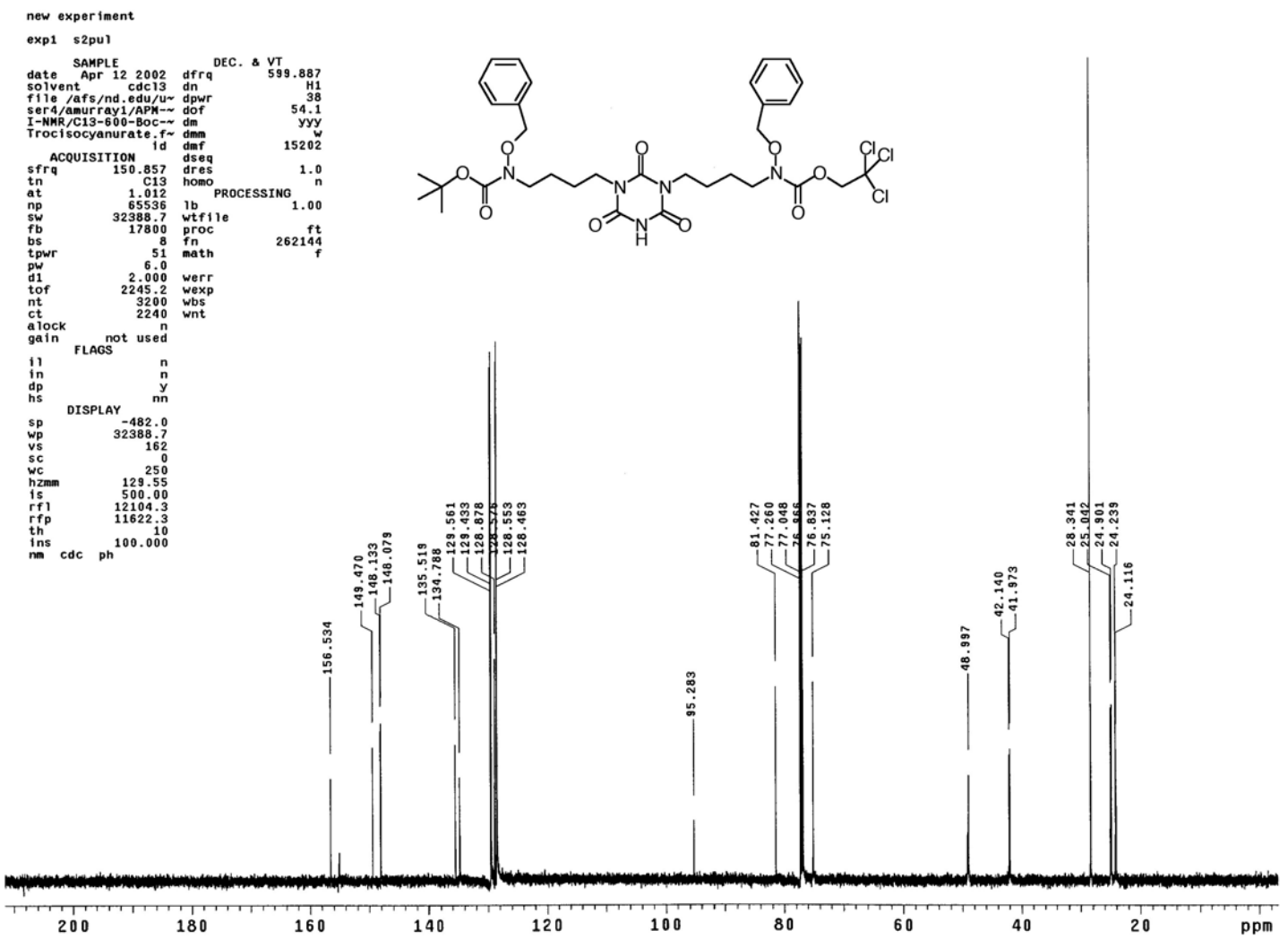
^{13}C NMR (150 MHz) of **7**



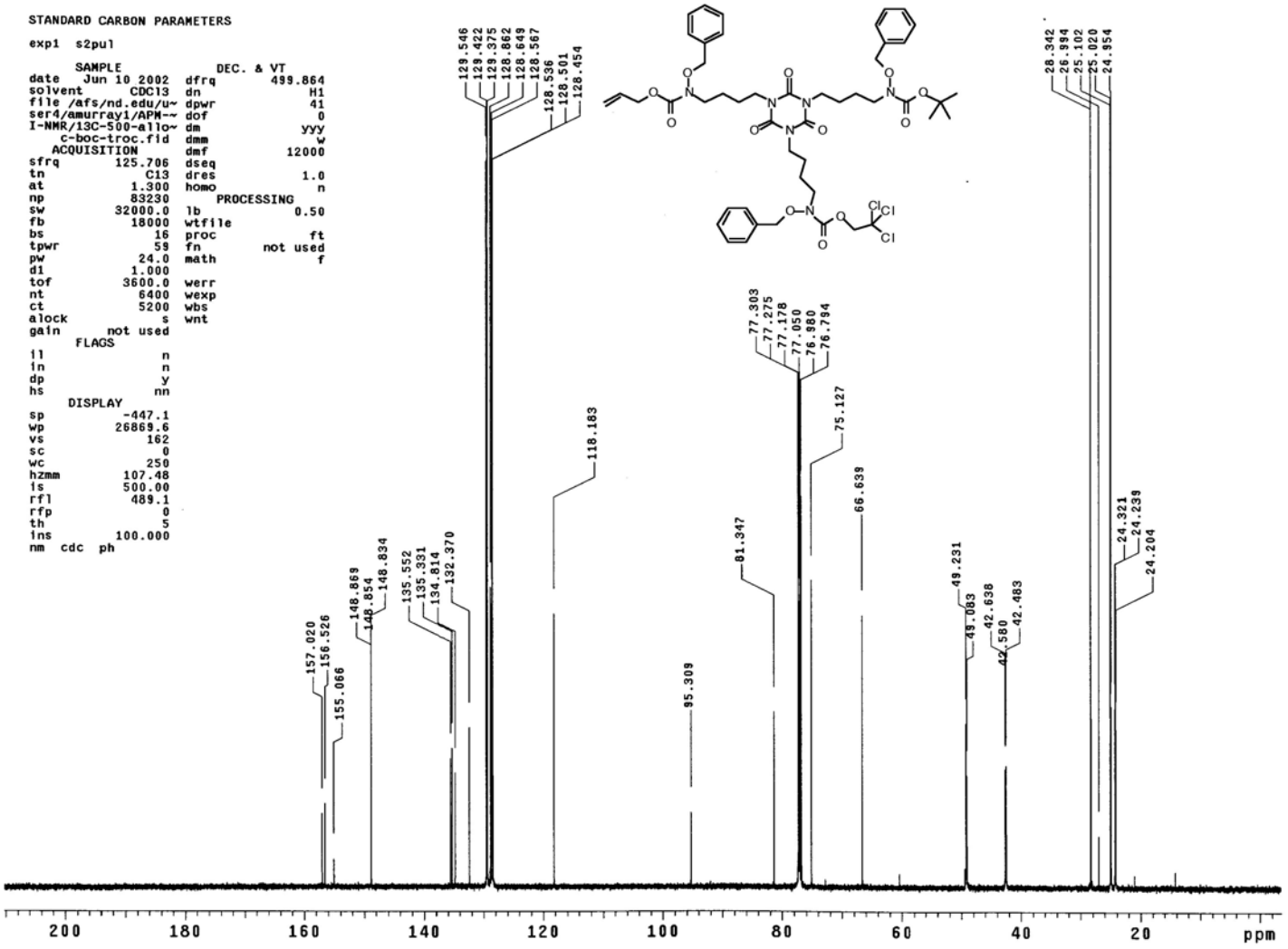
^{13}C NMR (150 MHz) of **9**



^{13}C NMR (150 MHz) of **11**



^{13}C NMR (150 MHz) of **12**



^{13}C NMR (125 MHz) of **13**