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Phosphorus Pentachloride Promoted *gem*-3 Dichlorination of 2′- and 3′-Deoxynucleosides

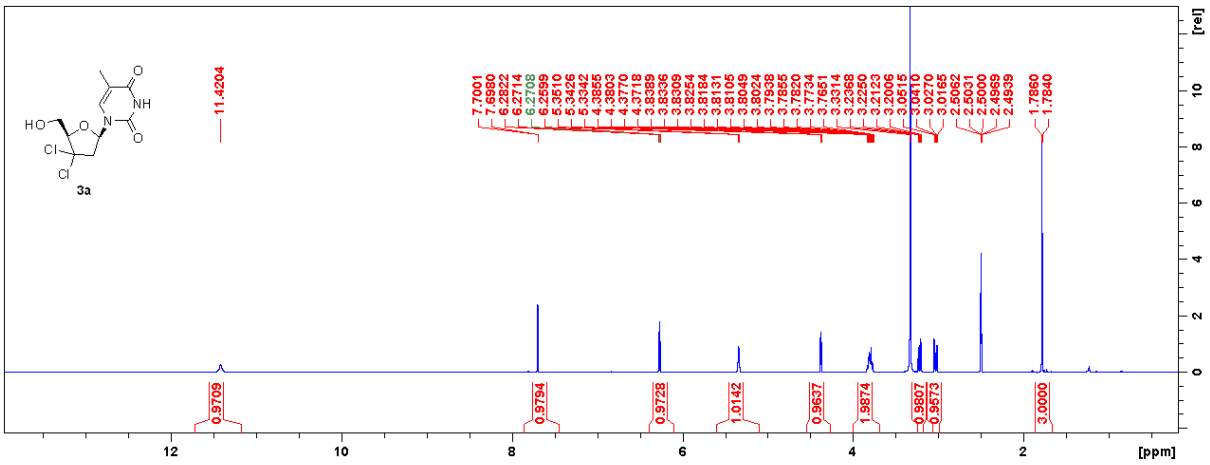
Fábio da Paixão Soares, Elisabetta Groaz and Piet Herdewijn*

KU Leuven, Rega Institute for Medical Research, Medicinal Chemistry, Herestraat 49, 3000 Leuven, Belgium; fabio.dapaixaosoares@student.kuleuven.be (F.P.S.); elisabetta.groaz@kuleuven.be (E.G.)

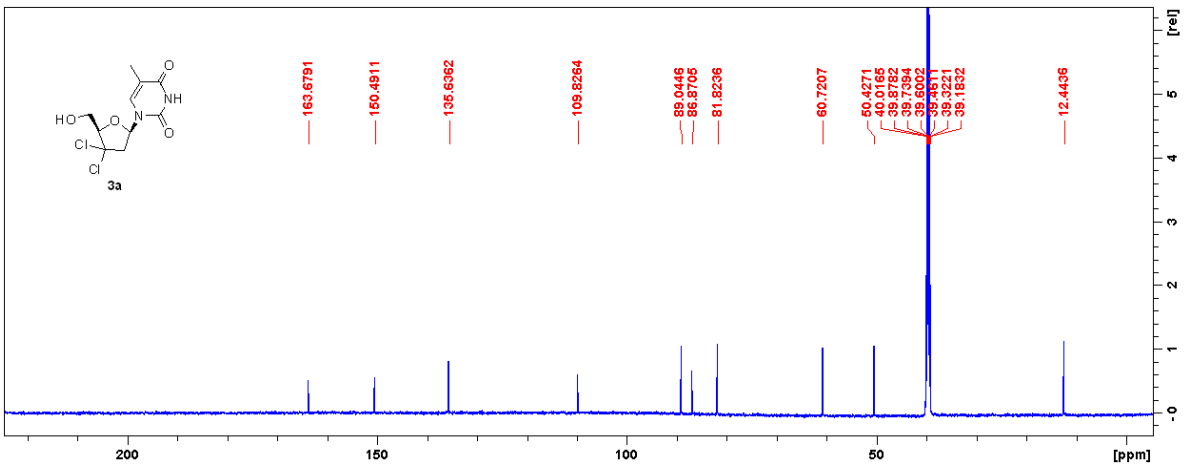
**Correspondence: piet.herdewijn@kuleuven.be (P.H.); Tel.: +32-16-322-657*

Supporting Information

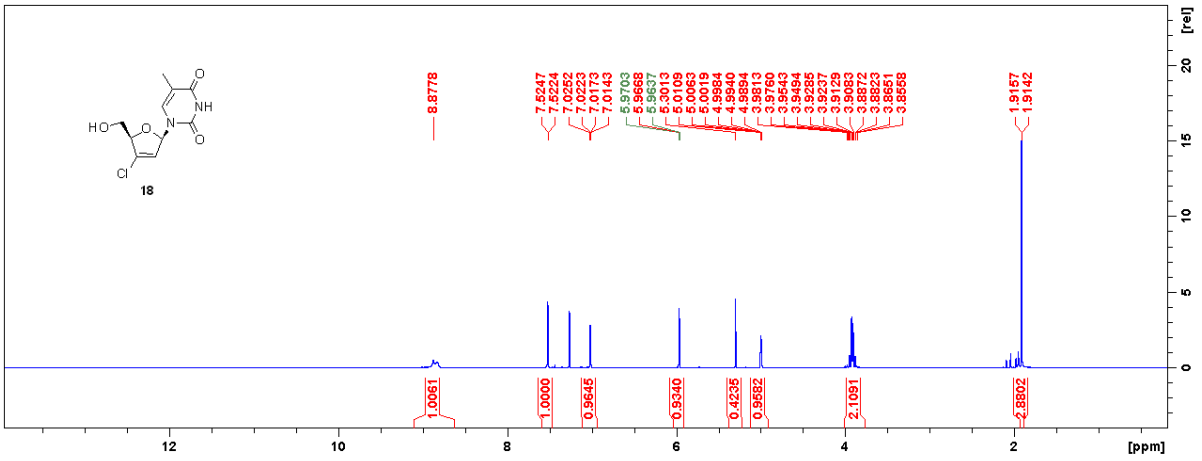
^{1}H NMR (600 MHz, DMSO-*d6*) spectrum of Compound **3a**.



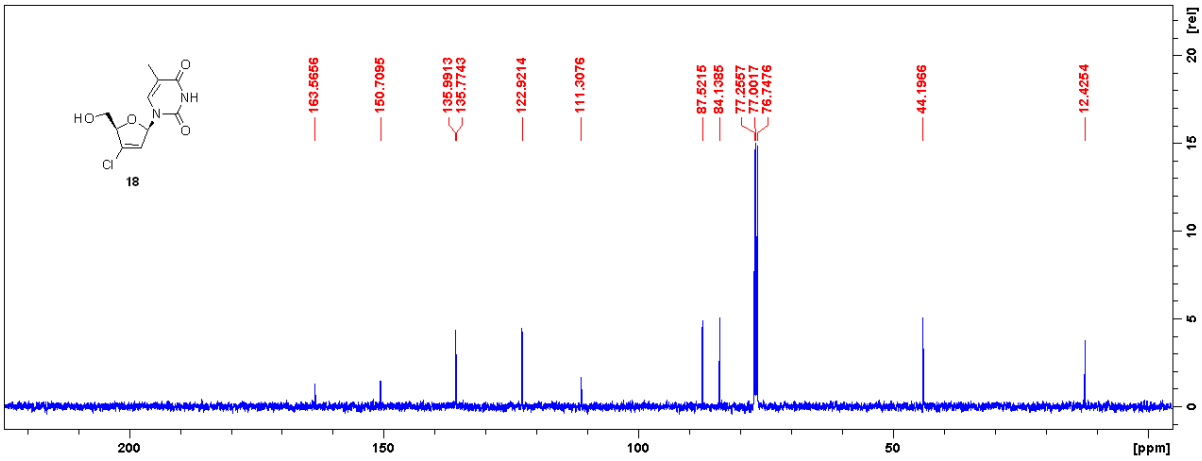
^{13}C NMR (150 MHz, DMSO-*d6*) spectrum of Compound **3a**.



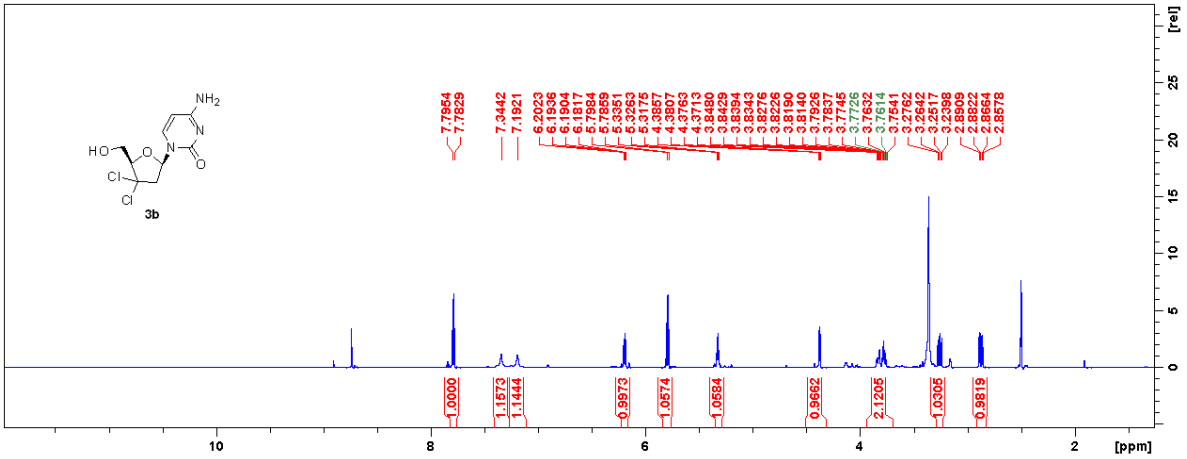
^{1}H NMR (600 MHz, DMSO-*d6*) spectrum of Compound **18**.



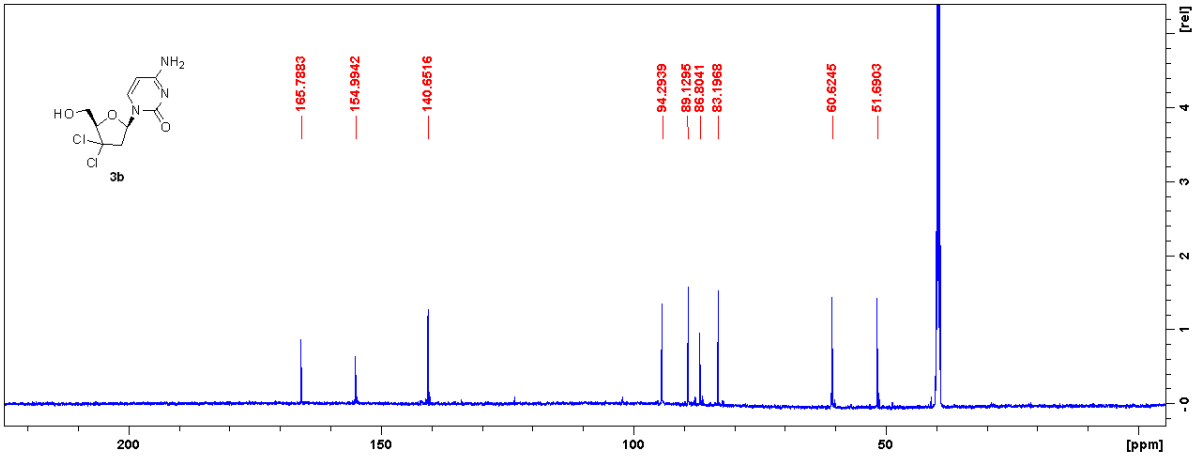
^{13}C NMR (150 MHz, DMSO-*d6*) spectrum of Compound **18**.



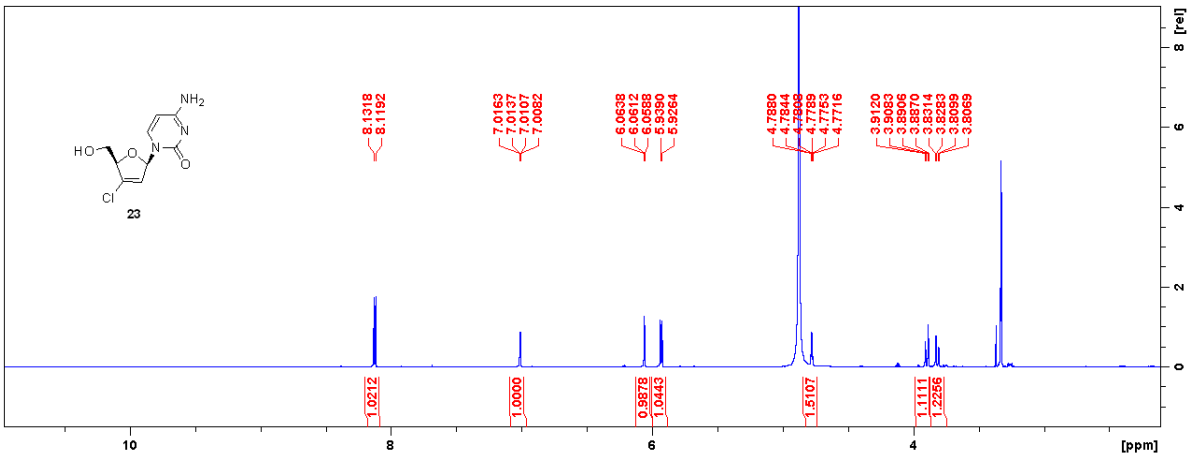
^{1}H NMR (600 MHz, DMSO-*d6*) spectrum of Compound **3b**.



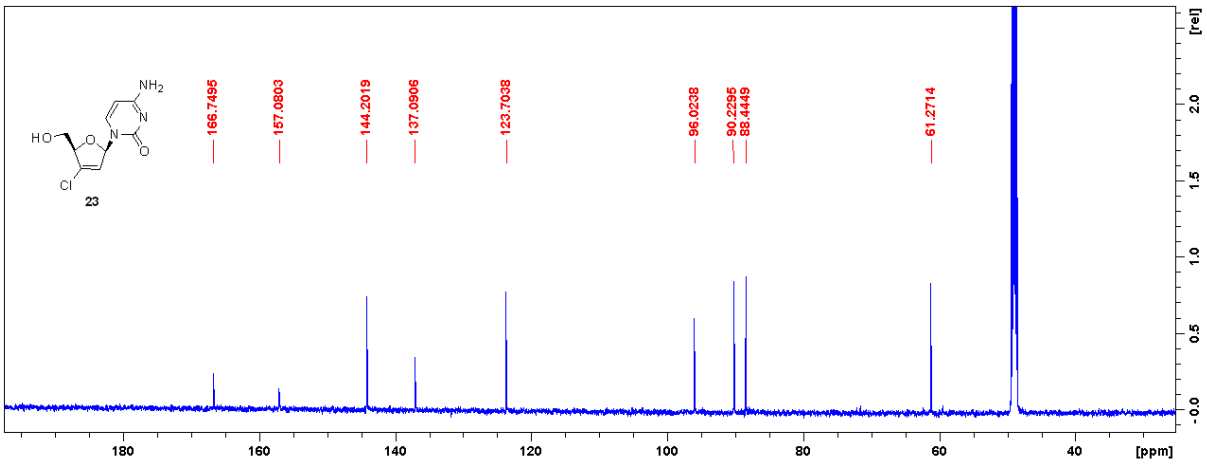
^{13}C NMR (150 MHz, DMSO-*d6*) spectrum of Compound **3b**.



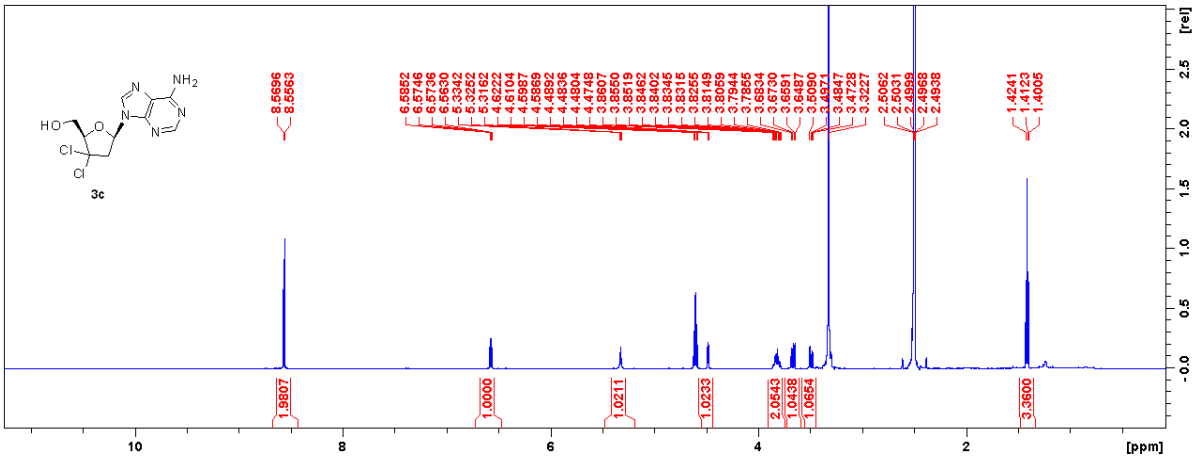
^{1}H NMR (600 MHz, MeOD-*d4*) spectrum of Compound **23**.



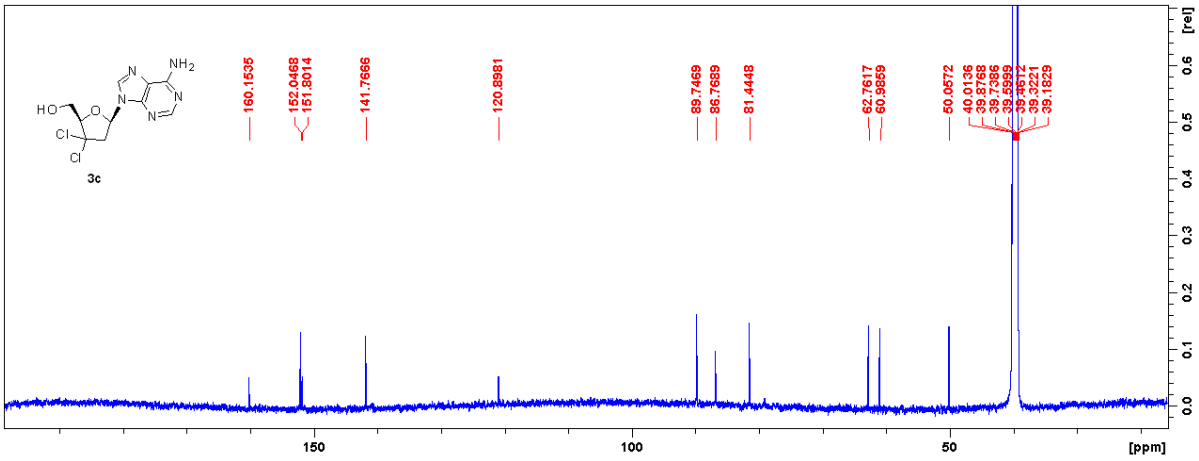
^{13}C NMR (150 MHz, MeOD-*d4*) spectrum of Compound **23**.



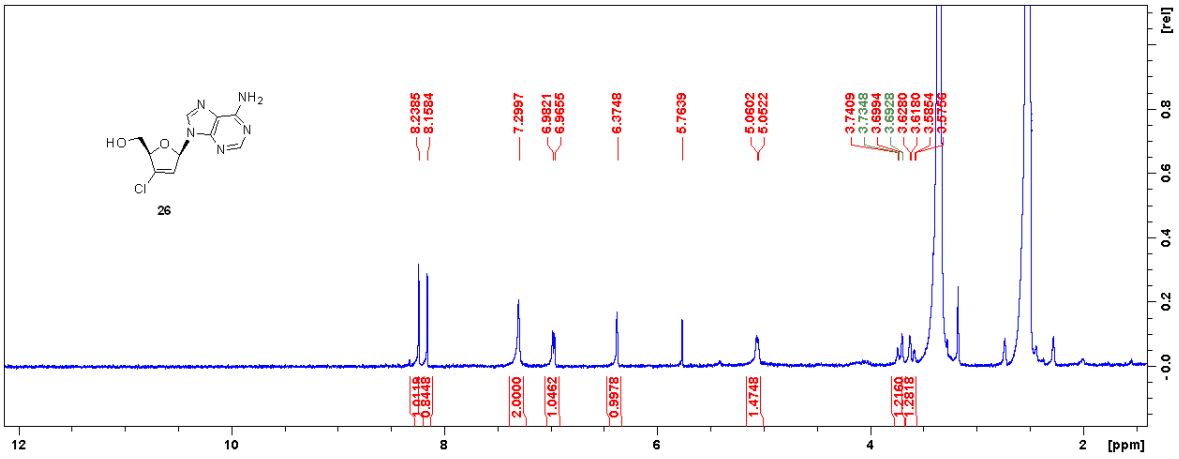
^{1}H NMR (600 MHz, DMSO-*d6*) spectrum of Compound **3c**.



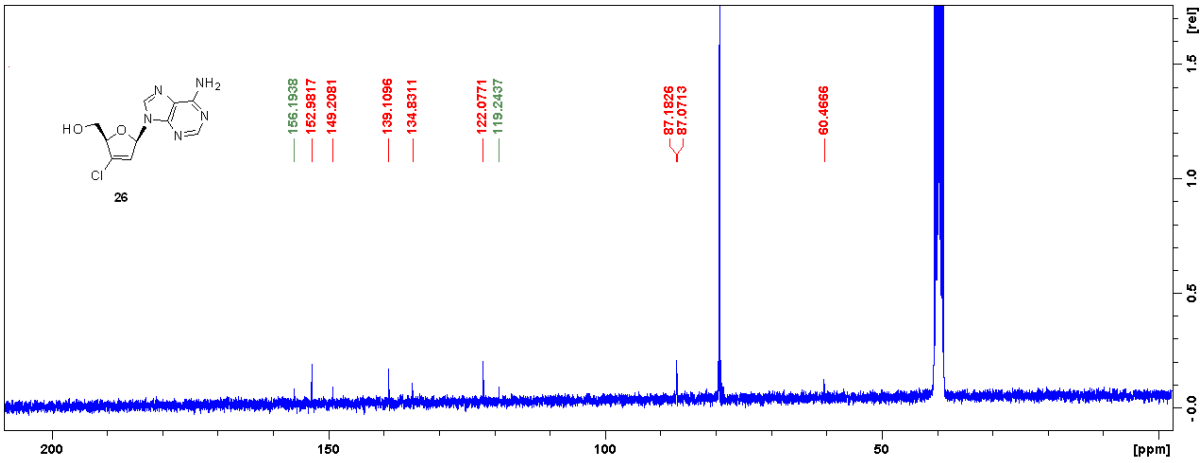
^{13}C NMR (150 MHz, DMSO-*d6*) spectrum of Compound **23**.



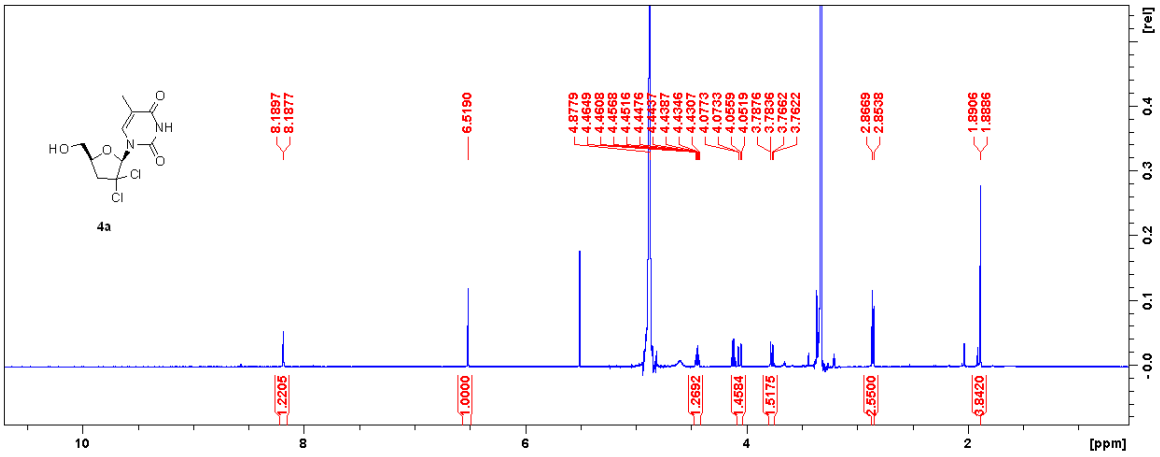
^{1}H NMR (300 MHz, MeOD-*d4*) spectrum of Compound **26.**



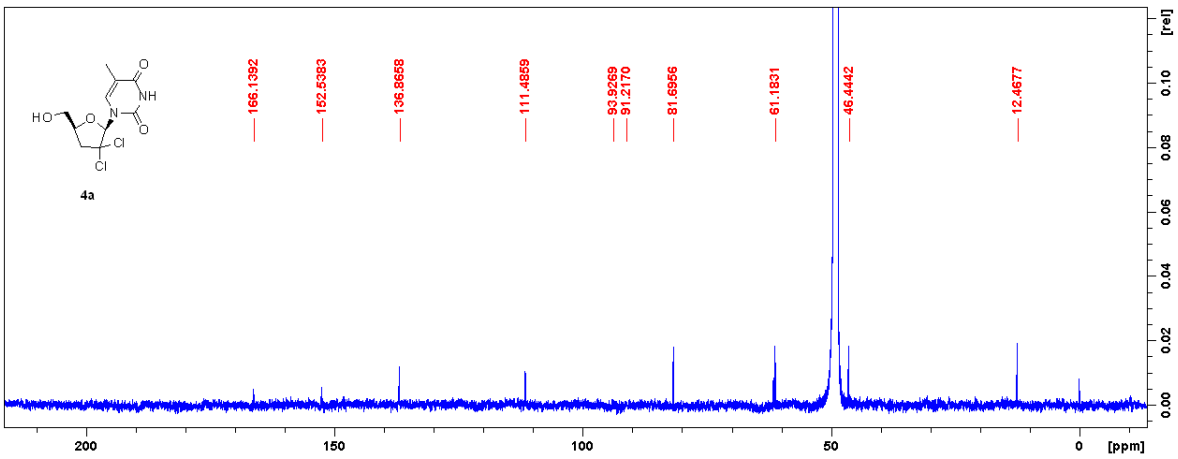
^{1}H NMR (75 MHz, MeOD-*d4*) spectrum of Compound **26.**



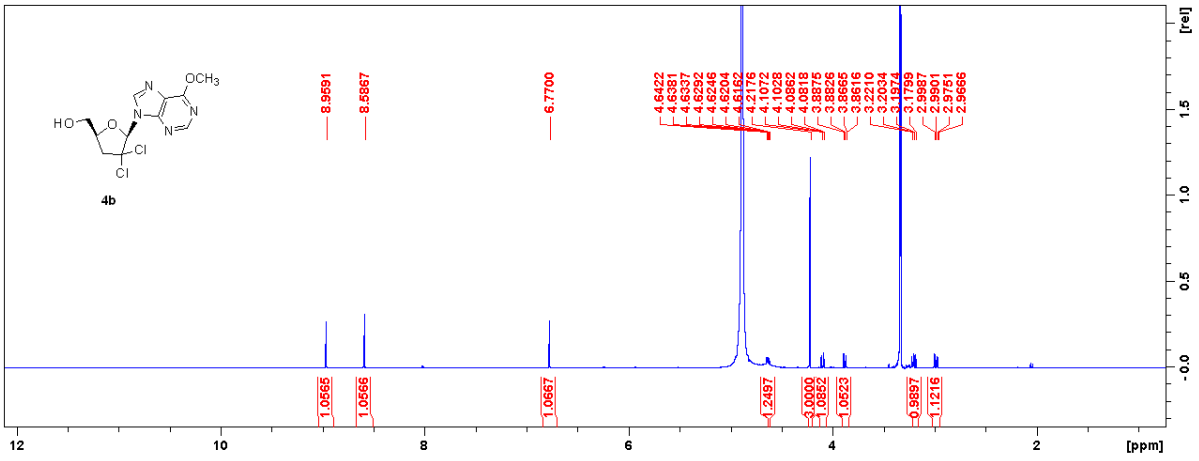
^{1}H NMR (600 MHz, MeOD-*d4*) spectrum of Compound **4a**.



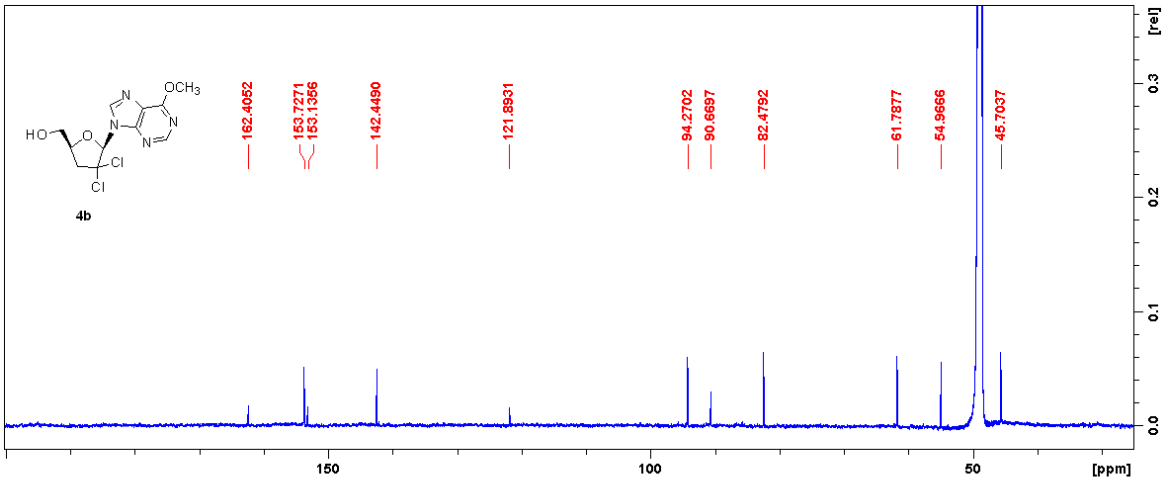
^{1}H NMR (150 MHz, MeOD-*d4*) spectrum of Compound **4a**.



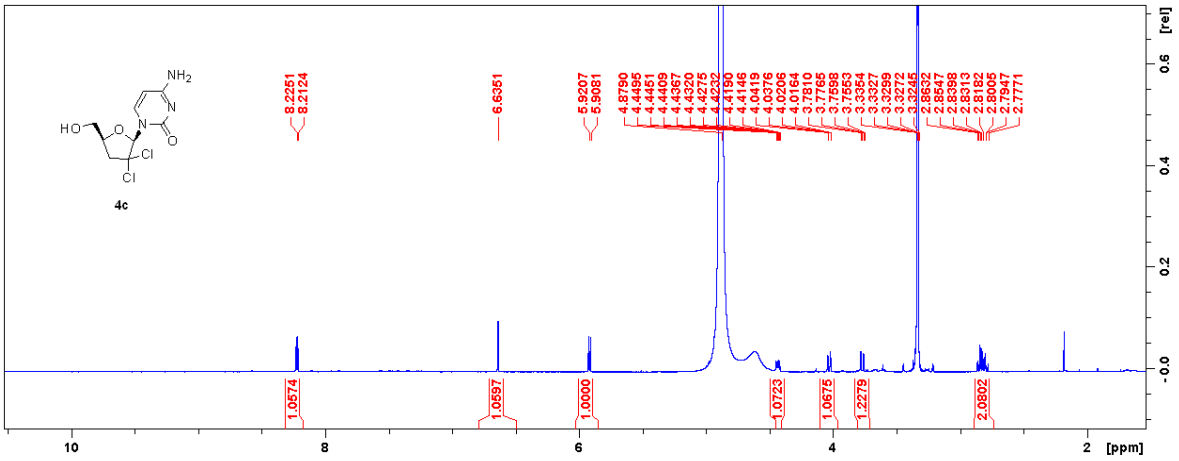
^{1}H NMR (600 MHz, MeOD-*d4*) spectrum of Compound **4b**.



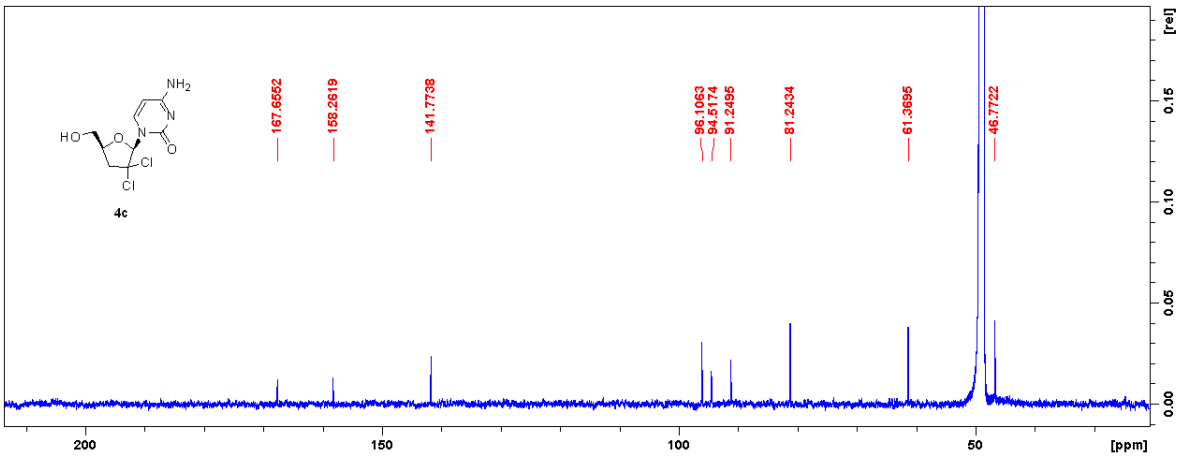
^{1}H NMR (150 MHz, MeOD-*d4*) spectrum of Compound **4b**.



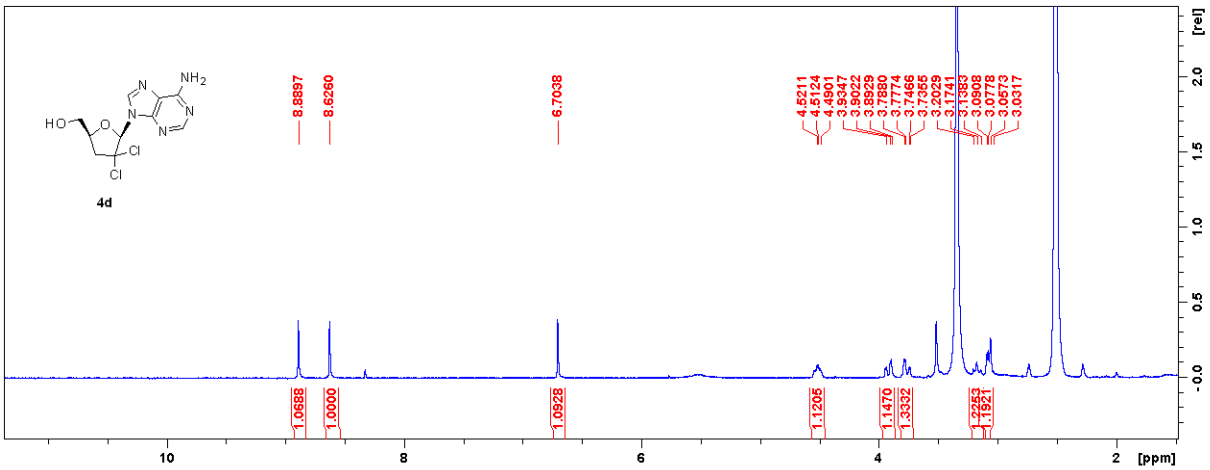
^{1}H NMR (600 MHz, MeOD-*d4*) spectrum of Compound **4c**.



^{1}H NMR (150 MHz, MeOD-*d4*) spectrum of Compound **4c**.



^{1}H NMR (300 MHz, MeOD-*d4*) spectrum of Compound **4d**.



^{1}H NMR (75 MHz, MeOD-*d4*) spectrum of Compound **4d**.