Supporting Information for

**Synthesis of 2-chloro-2′-deoxyadenosine (cladribine) and new purine modified derivatives**

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Copies of 1H, 13C and 19F NMR spectra of nucleosides



**Fig.1**. 1H NMR (CDCl3,500 MHz) of nucleoside **2**



**Fig.2**. 13C NMR (CDCl3, 126.76 MHz) of nucleoside **2**



**Fig.3**. 1H NMR (DMSO-d6,500 MHz) of nucleoside **3**



**Fig.4**. 13С NMR (DMSO-d6, 126.76 MHz) of nucleoside **3**



**Fig.5**. 1H NMR (CDCl3, 500 MHz) of nucleoside **4**



**Fig.6**. 13C NMR (CDCl3, 126.76 MHz) of nucleoside **4**



**Fig.7**. 13C/DEPT of NMR (CDCl3, 126.76 MHz) nucleoside **4**



**Fig.8**. 19F NMR (CDCl3, 470.59 MHz) of nucleoside **4**



**Fig.8**. 1H NMR (CDCl3, 500 MHz) of nucleoside **5**



**Fig.9**. 13C NMR (CDCl3, 126.76 MHz) of nucleoside **5**



**Fig.10**. 1H NMR (CD3OD, 500 MHz) of nucleoside **6**

 **Fig.11**. 13C NMR (CD3OD, 126.76 MHz) of nucleoside **6**