

## Supporting Information

**The  $\alpha$ -D-Anomer of 2'-deoxycytidine: crystal structure, nucleoside conformation  
and Hirshfeld surface analysis**

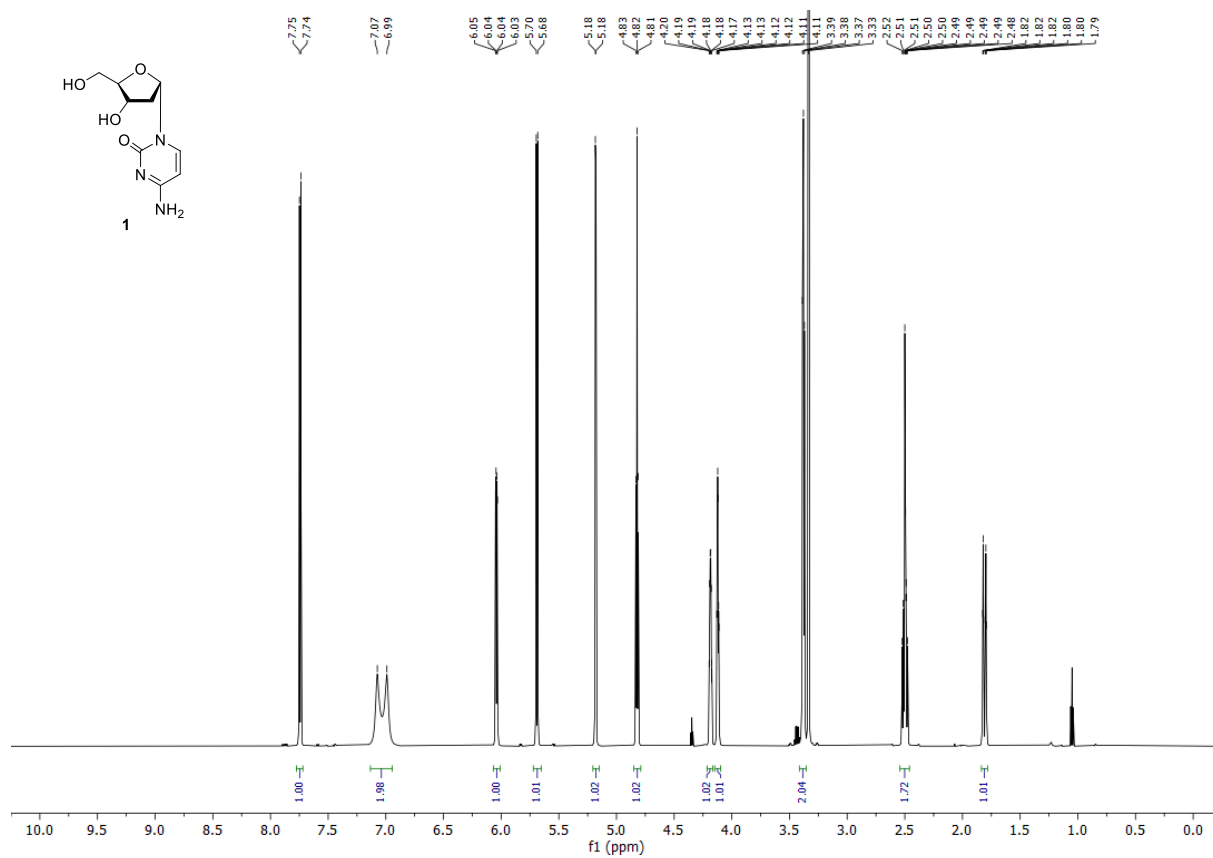
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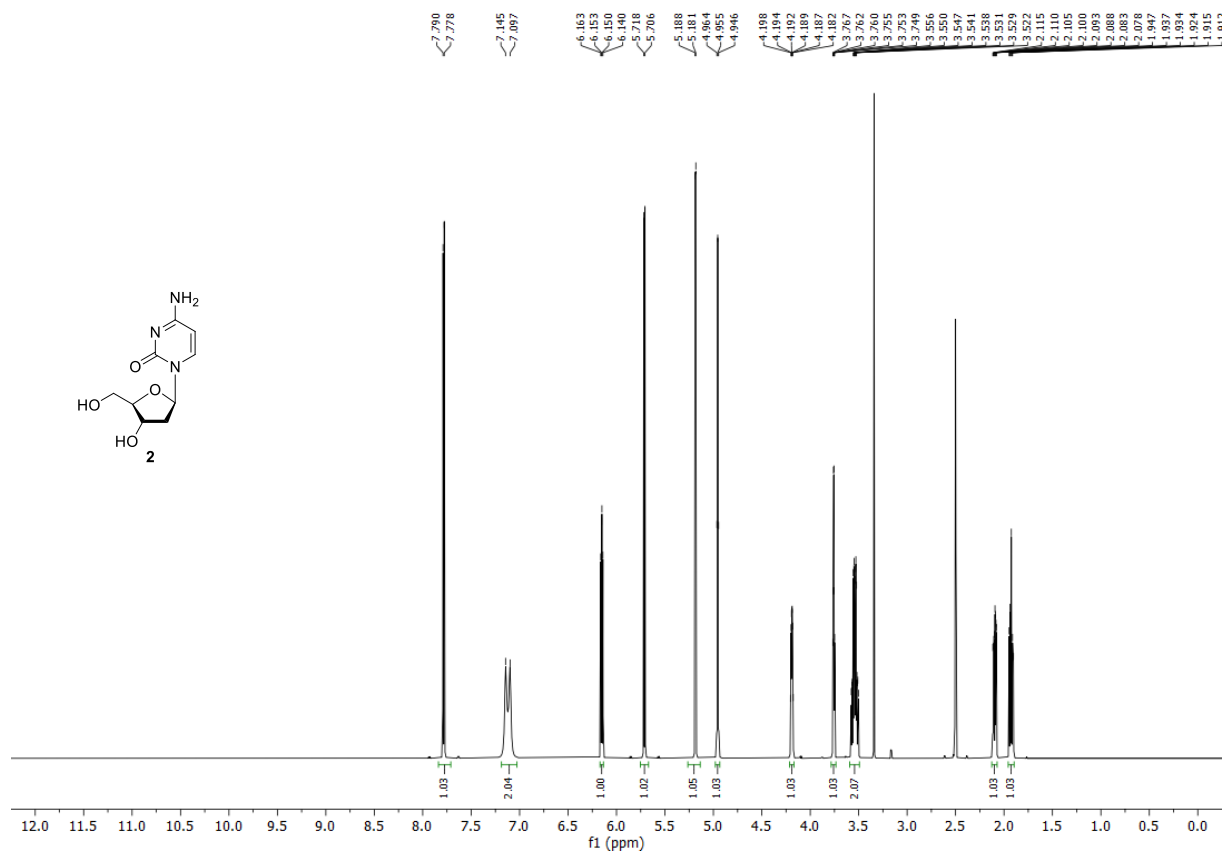
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**Figure S1.**  $^1\text{H}$ -NMR spectrum of  $\alpha$ -dC (1).

**Figure S2.**  $^1\text{H}$ -NMR spectrum of  $\beta$ -dC (2).



**Figure S1.** <sup>1</sup>H-NMR spectrum of  $\alpha$ -2'-deoxycytidine (1).



**Figure S2.**  $^1\text{H-NMR}$  spectrum of  $\beta$ -2'-deoxycytidine (**2**).