Supplementary information

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The $^1$H NMR of PVF

Fig S1. H$^1$ NMR spectra of PVF in $d^6$-DMSO

The degree of acetalization (DA) of PVF is calculated from the formulas$^1$:

$$DA = \frac{A_a}{A_b + A_c} \times 100\%$$

or

$$= \frac{A_a}{A_a + A_{OH}} \times 100\%$$

Here, $A_a$, $A_b$, $A_c$ and $A_{OH}$ is the integral area of the corresponding signal in Fig S1.