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## Correction: Synthesis and application of a highly branched, mechanism-based 2-deoxy-2-fluoro-oligosaccharide inhibitor of *endo*-xyloglucanases

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Correction for 'Synthesis and application of a highly branched, mechanism-based 2-deoxy-2-fluoro-oligosaccharide inhibitor of *endo*-xyloglucanases' by Namrata Jain *et al.*, *Org. Biomol. Chem.*, 2018, **16**, 8732–8741.

The authors regret that the  $^1\text{H}$  and  $^{13}\text{C}$  NMR chemical shift values for compounds **2**, **4**, and **5**, as well as the  $^{19}\text{F}$  NMR values of compound **5**, were incorrectly reported in the main text of the originally published version of the article. The correct data are listed below, including the original  $^{19}\text{F}$  NMR assignment for compound **4**. The corresponding spectra were correctly displayed in the Electronic Supplementary Information (ESI) and remain unchanged by this correction.

Per-O-acetylated XXXG glycol (2):

$^1\text{H}$ -NMR (Fig. S1,† 400 MHz,  $\text{CDCl}_3$ ):  $\delta$  6.41 (d,  $J$  = 6.14 Hz, 1H, H1), 5.40–5.36 (m), 5.19–4.60 (m), 4.29–3.65 (m), 3.35 (d), 2.13–1.93 (54H,  $\text{COCH}_3$ ).  $^{13}\text{C}$ -NMR (Fig. S2,† 100.6 MHz,  $\text{CDCl}_3$ ):  $\delta$  170.34–168.64 (18  $\times$  CO), 145.58 (C1), 101.07–95.94 (C2, 6  $\times$  C1), 75.66–67.17 (6  $\times$  C2, 7  $\times$  C3, 7  $\times$  C4, 7  $\times$  C5), 61.77, 59.22, 59.06, 58.85 (4  $\times$  C6), 20.80–20.65 (18  $\times$   $\text{CH}_3$ ).

Per-O-acetylated 2'4'-dinitrophenyl  $\beta$ -glycoside of 2-deoxy-2-fluoro-XXXG (4):

$^1\text{H}$ -NMR (Fig. S4,† 400 MHz,  $\text{CDCl}_3$ ):  $\delta$  8.75 (d, 1H, H'3), 8.45 (dd, 1H, H'5), 7.42 (d, 1H, H'6), 5.56 (d, 1H, H1), 5.43–5.32 (m), 5.17–4.60 (m), 4.15–3.68 (m), 3.43 (d), 2.16–1.97 (54H,  $\text{COCH}_3$ ).  $^{13}\text{C}$ -NMR (Fig. S5,† 100.6 MHz,  $\text{CDCl}_3$ ):  $\delta$  170.23–168.56 (18  $\times$  CO), 153.22 (C'3), 142.00 (C'4), 140.01 (C'5), 128.65 (C'1), 121.54 (C'2), 117.49 (C'6), 100.38–95.91 (7  $\times$  C1), 88.09 ( $J_{\text{C2-F2}}$  = 189.0 Hz, C2), 75.22–67.32 (6  $\times$  C2, 7  $\times$  C3, 7  $\times$  C4, 7  $\times$  C5), 60.40, 59.09, 58.94, 58.74 (4  $\times$  C6), 21.05–20.58 (18  $\times$   $\text{CH}_3$ ).  $^{19}\text{F}$ -NMR (Fig. S6,† 376.5 MHz,  $\text{CDCl}_3$ ):  $\delta$  –194.75 (ddd,  $J_{\text{H2-F2}}$  = 47.7 Hz,  $J_{\text{H3-F2}}$  = 15.7 Hz,  $J_{\text{H1-F2}}$  = 2.5 Hz, F2).

2'4'-Dinitrophenyl  $\beta$ -glycoside of 2-deoxy-2-fluoro-XXXG (XXXG(2F)- $\beta$ -DNP) (5):

$^1\text{H}$ -NMR (Fig. S7,† 400 MHz,  $\text{D}_2\text{O}$ ):  $\delta$  8.75 (d, 1H, H'3), 8.51 (dd, 1H, H'5), 7.67 (d, 1H, H'6), 5.66 (d, 1H, H1), 4.84–4.80 (m), 4.61–4.39 (m), 3.98–3.31 (m).  $^{13}\text{C}$ -NMR (Fig. S8,† 100.6 MHz,  $\text{D}_2\text{O}$ ):  $\delta$  153.37 (C'3), 141.19 (C'4), 138.42 (C'5), 129.35 (C'1), 121.72 (C'2), 117.32 (C'6), 102.35–96.97 (7  $\times$  C1), 90.43 ( $J_{\text{C2-F2}}$  = 186.8 Hz, C2), 78.81–65.33 (6  $\times$  C2, 7  $\times$  C3, 7  $\times$  C4, 7  $\times$  C5), 61.93, 61.05, 61.00, 60.68 (4  $\times$  C6). Small amounts of  $\text{CD}_3\text{OD}$  (sep, 47.52) and  $\text{CH}_3\text{COONa}$  (181.02, 22.74) were also detected.  $^{19}\text{F}$ -NMR (Fig. S9,† 376.5 MHz,  $\text{D}_2\text{O}$ ):  $\delta$  –199.69 (ddd,  $J_{\text{H2-F2}}$  = 51.4 Hz,  $J_{\text{H3-F2}}$  = 15.2 Hz,  $J_{\text{H1-F2}}$  = 2.5 Hz, F2).

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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