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CORRECTION

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

Namrata Jain, [a,b] Mohamed A. Attia,[a,b] Wendy A. Offen, [c] Gideon J. Davies [c] and Harry Brumer *[a,b,d]

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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}H and ^{13}C NMR chemical shift values for compounds **2**, **4**, and **5**, as well as the ^{19}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}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 glycal (**2**):

^{1}H-NMR (Fig. S1,† 400 MHz, $CDCl_3$): δ 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, $COCH_3$). ^{13}C-NMR (Fig. S2,† 100.6 MHz, $CDCl_3$): δ 170.34–168.64 (18 × CO), 145.58 (C1), 101.07–95.94 (C2, 6 × C1), 75.66–67.17 (6 × C2, 7 × C3, 7 × C4, 7 × C5), 61.77, 59.22, 59.06, 58.85 (4 × C6), 20.80–20.65 (18 × CH_3).

Per-*O*-acetylated 2′4′-dinitrophenyl β-glycoside of 2-deoxy-2-fluoro-XXXG (**4**):

^{1}H-NMR (Fig. S4,† 400 MHz, $CDCl_3$): δ 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, $COCH_3$). ^{13}C-NMR (Fig. S5,† 100.6 MHz, $CDCl_3$): δ 170.23–168.56 (18 × 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 × C1), 88.09 ($J_{C2–F2}$ = 189.0 Hz, C2), 75.22–67.32 (6 × C2, 7 × C3, 7 × C4, 7 × C5), 60.40, 59.09, 58.94, 58.74 (4 × C6), 21.05–20.58 (18 × CH_3). ^{19}F-NMR (Fig. S6,† 376.5 MHz, $CDCl_3$): δ −194.75 (ddd, $J_{H2–F2}$ = 47.7 Hz, $J_{H3–F2}$ = 15.7 Hz, $J_{H1–F2}$ = 2.5 Hz, F2).

2′4′-Dinitrophenyl β-glycoside of 2-deoxy-2-fluoro-XXXG (XXXG(2F)-β-DNP) (**5**):

^{1}H-NMR (Fig. S7,† 400 MHz, D_2O): δ 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}C-NMR (Fig. S8,† 100.6 MHz, D_2O): δ 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 × C1), 90.43 ($J_{C2–F2}$ = 186.8 Hz, C2), 78.81–65.33 (6 × C2, 7 × C3, 7 × C4, 7 × C5), 61.93, 61.05, 61.00, 60.68 (4 × C6). Small amounts of CD_3OD (sep, 47.52) and CH_3COONa (181.02, 22.74) were also detected. ^{19}F-NMR (Fig. S9,† 376.5 MHz, D_2O): δ −199.69 (ddd, $J_{H2–F2}$ = 51.4 Hz, $J_{H3–F2}$ = 15.2 Hz, $J_{H1–F2}$ = 2.5 Hz, F2).

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

[a]*Michael Smith Laboratories, University of British Columbia, 2185 East Mall, Vancouver, British Columbia V6T 1Z4, Canada. E-mail: brumer@msl.ubc.ca; Fax: (+1) 6048222114; Tel: (+1) 6048273738*
[b]*Department of Chemistry, University of British Columbia, 2036 Main Mall, Vancouver, British Columbia V6T 1Z1, Canada*
[c]*Department of Chemistry, University of York, Heslington, York YO10 5DD, UK*
[d]*Department of Biochemistry and Molecular Biology, University of British Columbia, 2350 Health Sciences Mall, Vancouver, British Columbia V6T 1Z3, Canada*