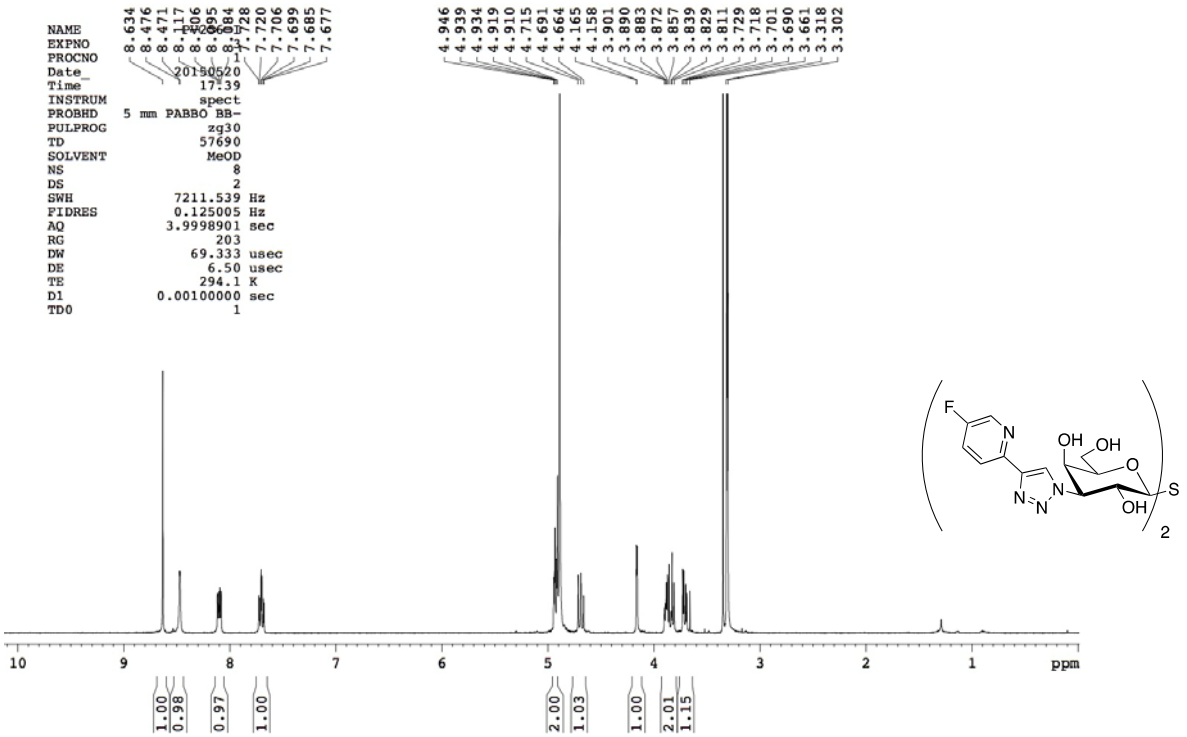
^{1}H-NMR



^{13}C-NMR

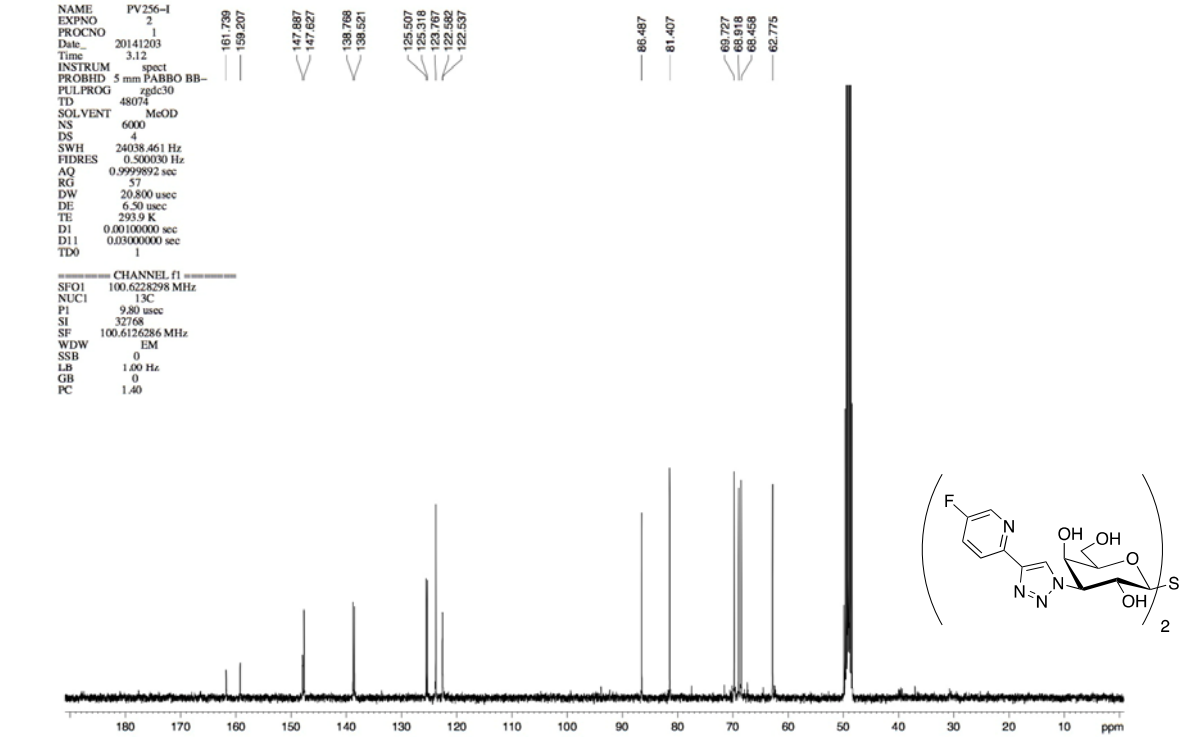


FIGURE S1. ^{1}H-NMR and ^{13}C-NMR spectra of the galectin inhibitor. Chemical shifts are reported in δ parts per million (ppm). $[\alpha]_D^{20}$ 65.4 (c 0.35, CH_3OH). ^{1}H NMR (CD_3OD, 400 MHz) δ: 8.63 (s, 2H, Ph), 8.47 (d, *J* = 2.4 Hz, 2H, Ph), 8.10 (dd, *J* = 8.8, 4.4 Hz, 2H, Ph), 7.70 (dt, *J* = 8.6, 2.9 Hz, 2H, Ph), 4.92 (m, 4H, H1 and H3), 4.70 (dd, *J* = 10.5, 9.8 Hz, 2H, H2), 4.16 (d, *J* = 2.9 Hz, 2H, H4), 3.90-3.81 (m, 4H, H5 and H6), 3.71 (dd, *J* = 11.2, 4.3 Hz, 2H, H6). ^{13}C NMR (CD_3OD, 100 MHz) δ: 161.7, 159.2, 147.9, 147.6, 138.6, 125.4, 123.8, 122.5, 86.5, 81.4, 69.7, 68.9, 68.5, 62.8. HRMS calculated for $[C_{26}H_{29}F_2N_8O_8S]^+$, 651.1797; found, 651.1800.