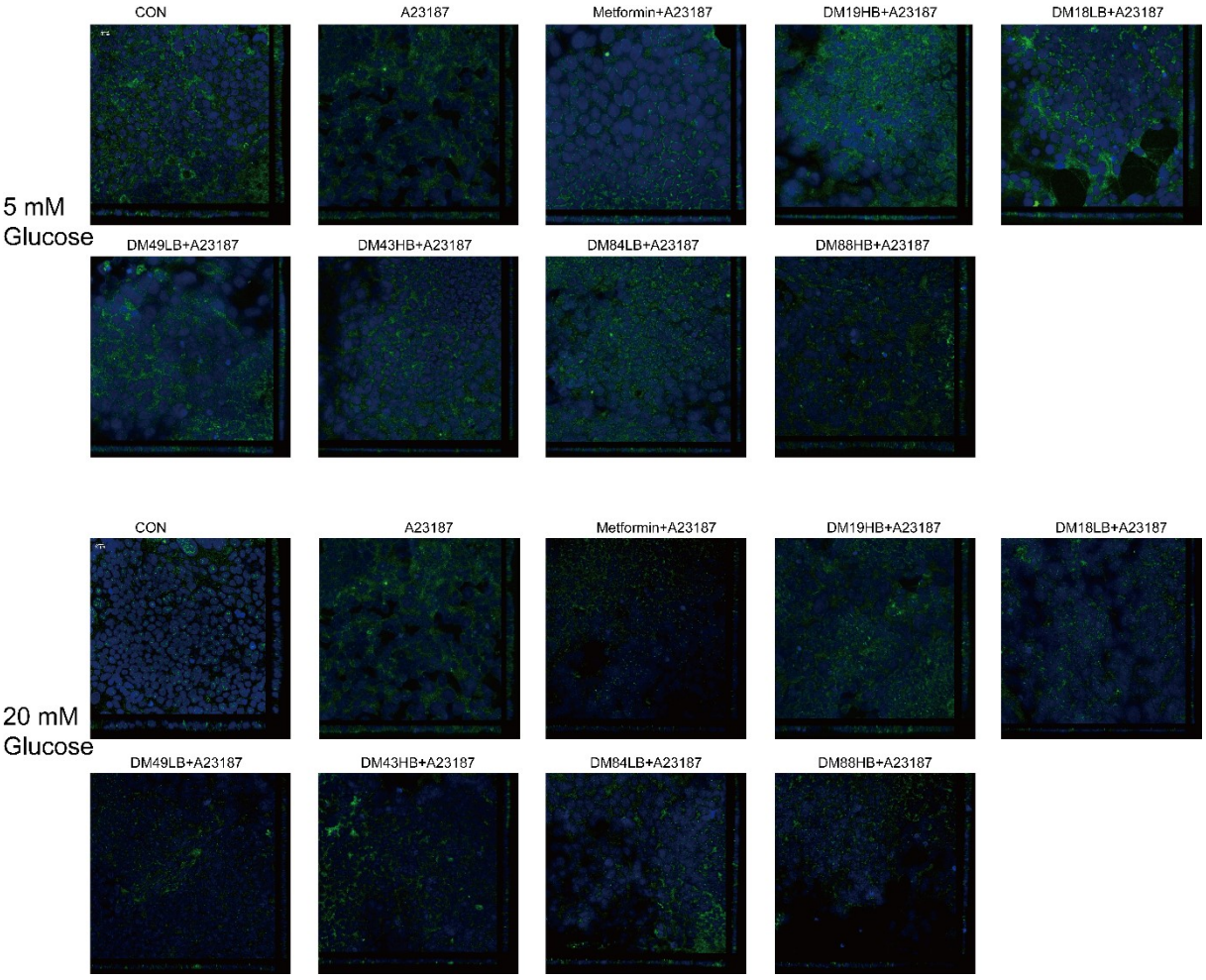
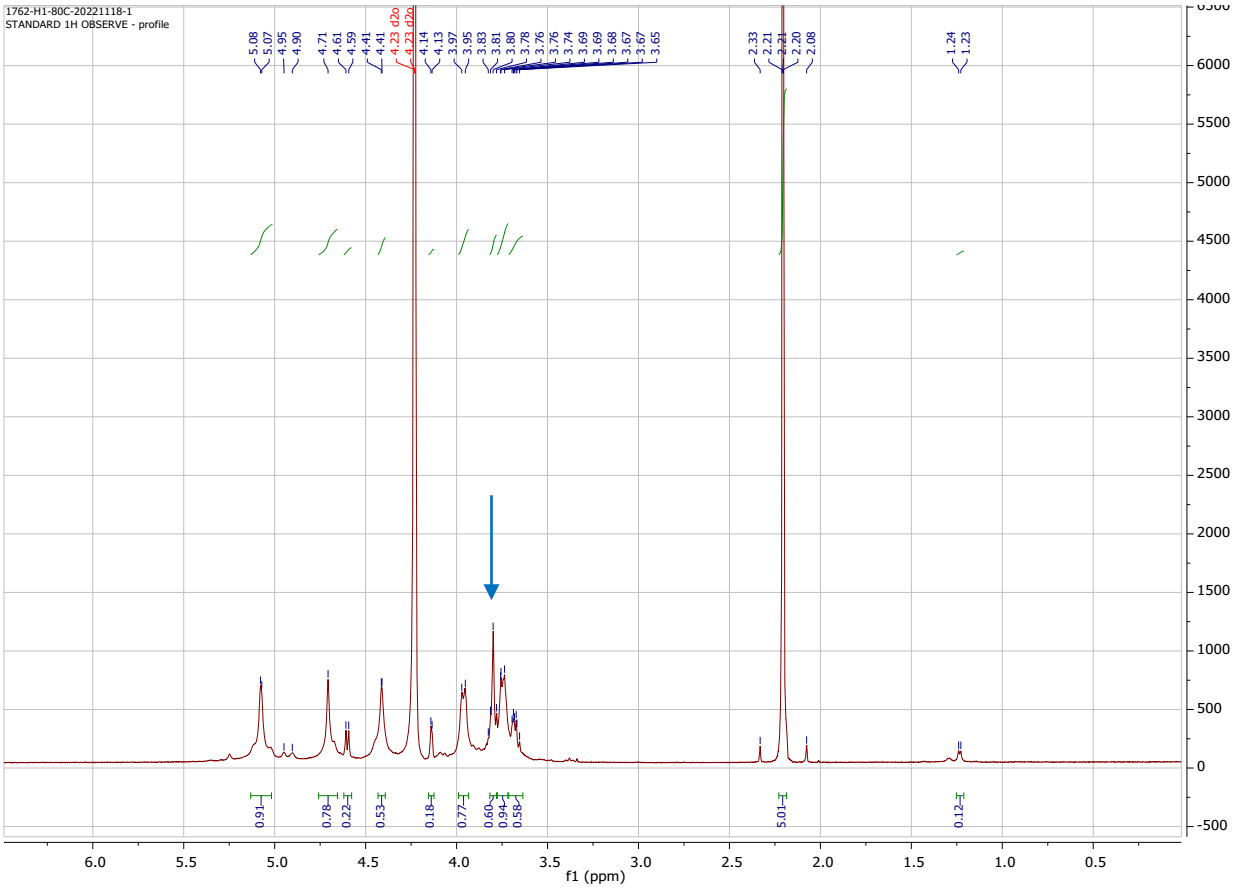
Electronic Supplementary Material (ESI) for Food & Function.

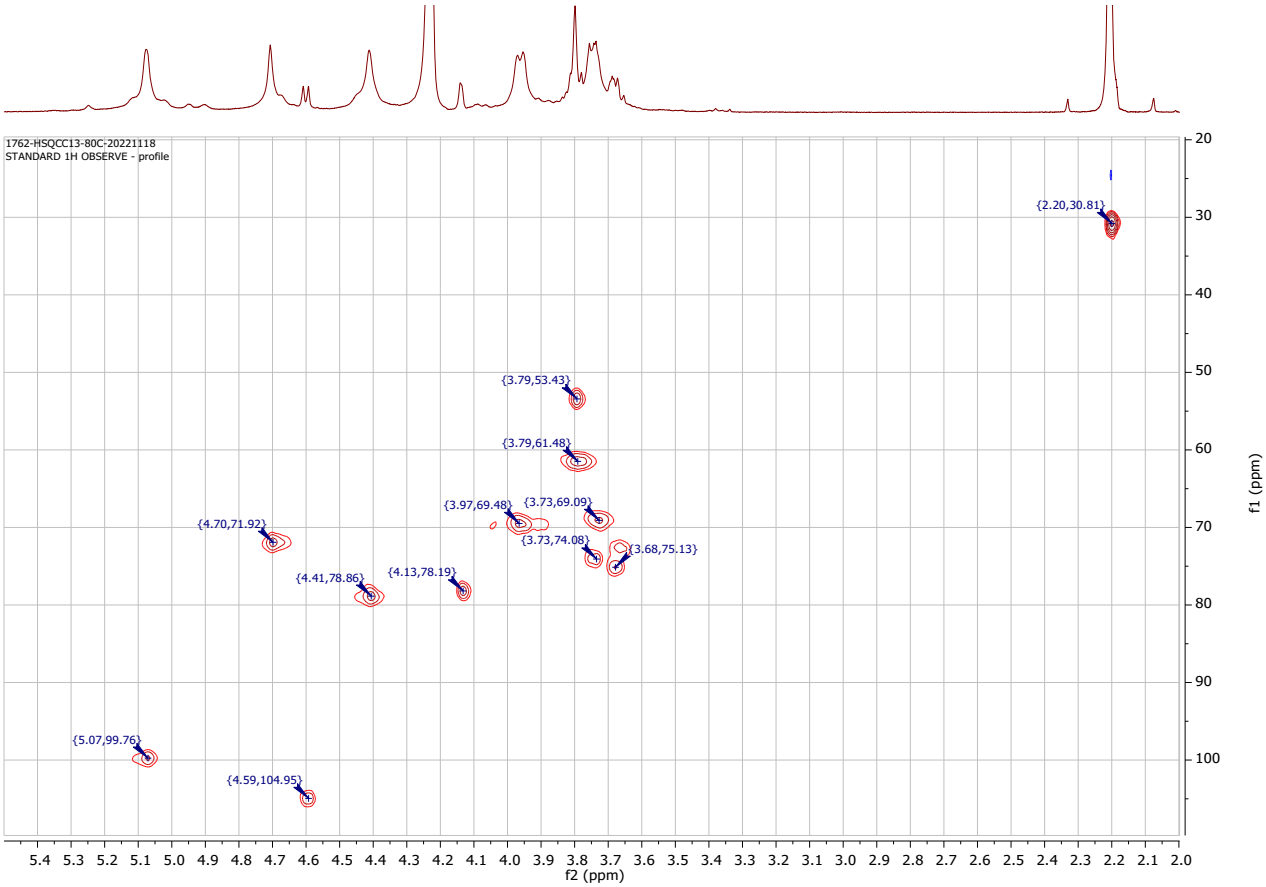
Supplementary figure 1. Confocal laser scanning microscopy of the apical or basolateral expression of sodium-glucose co-transporter1 (SGLT1) in T84 cells with two-dimensional fluorescence detection.



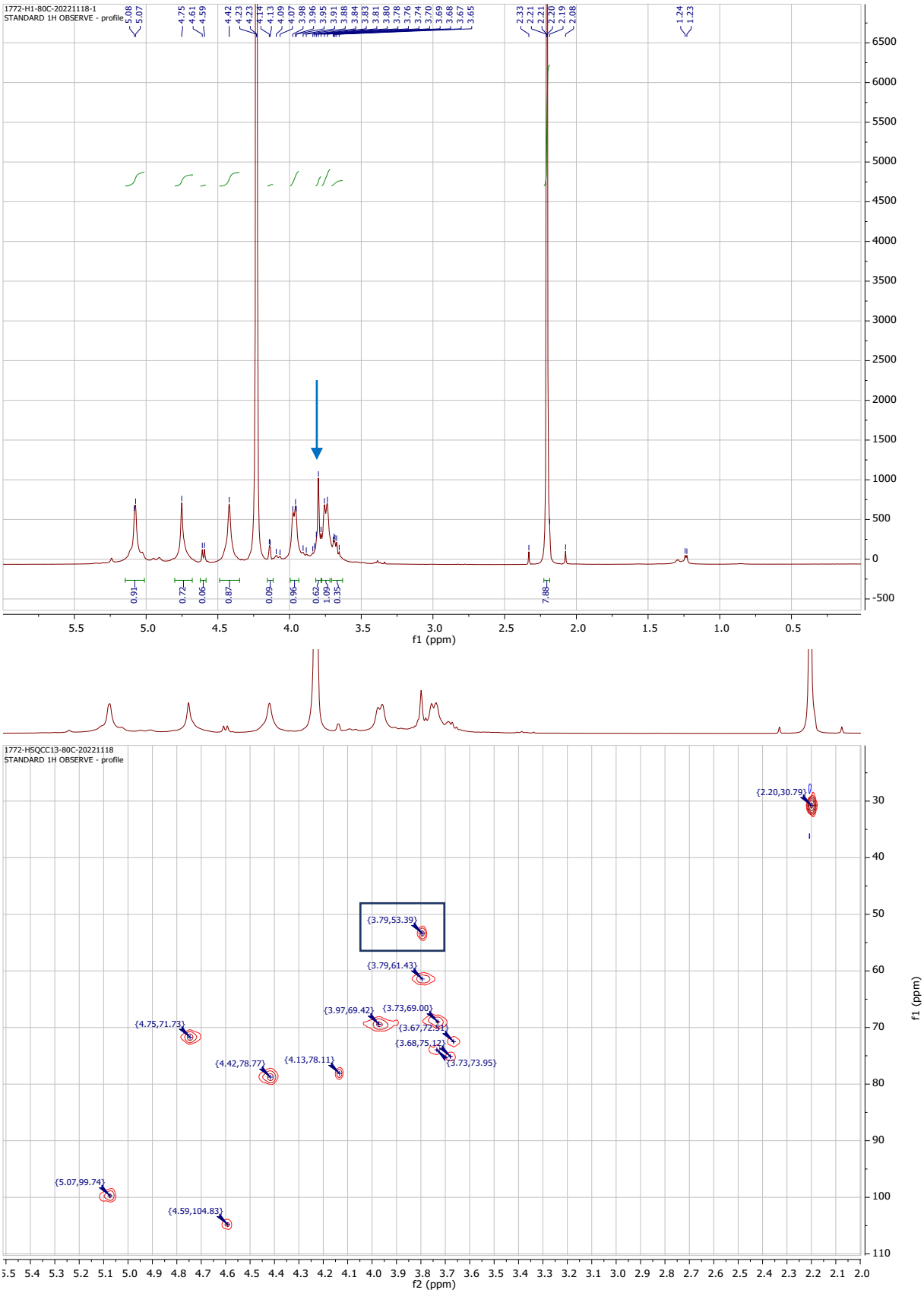
Supplementary figure 2. NMR analysis**.** ^{1}H-NMR spectrum of DM19HB was used to assign the peaks of α-GalA: H-1 at 5.07, H-2 at 3.73, H-3 at 3.97, H-4 at 4.41 and H-5 at 4.71 ppm. ^{13}C-NMR values are deduced from the HSQC measurement: C-1 at 99.8, C-2 at 69.1, C-3 at 69.5, C-4 at 78.9 and C-5 at 71.9 ppm. The GalA methyl ester (OCH_3) signals are observed at 3.79 ppm (^{1}H) and 53.4 ppm (^{13}C).

^{1}H and HSQC spectra of DM19HB

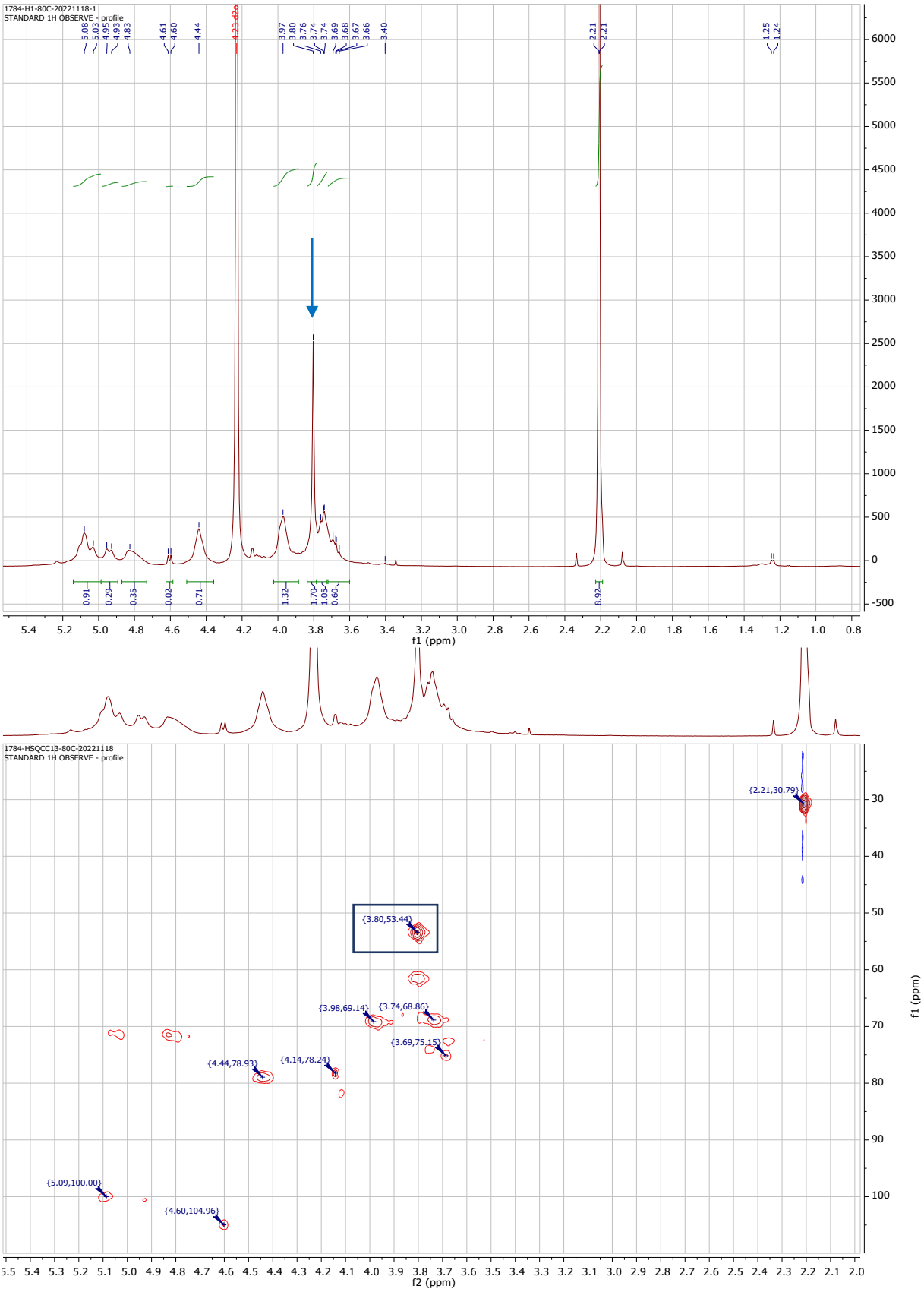



1762-HSQCC13-80C-20221118
STANDARD 1H OBSERVE - profile
{2.20,30.81}
{3.79,53.43}
{3.79,61.48}
{3.97,69.48}
{3.73,69.09}
{4.70,71.92}
{3.73,74.08}
{3.68,75.13}
{4.41,78.86}
{4.13,78.19}
{5.07,99.76}
{4.59,104.95}
f2 (ppm)
f1 (ppm)

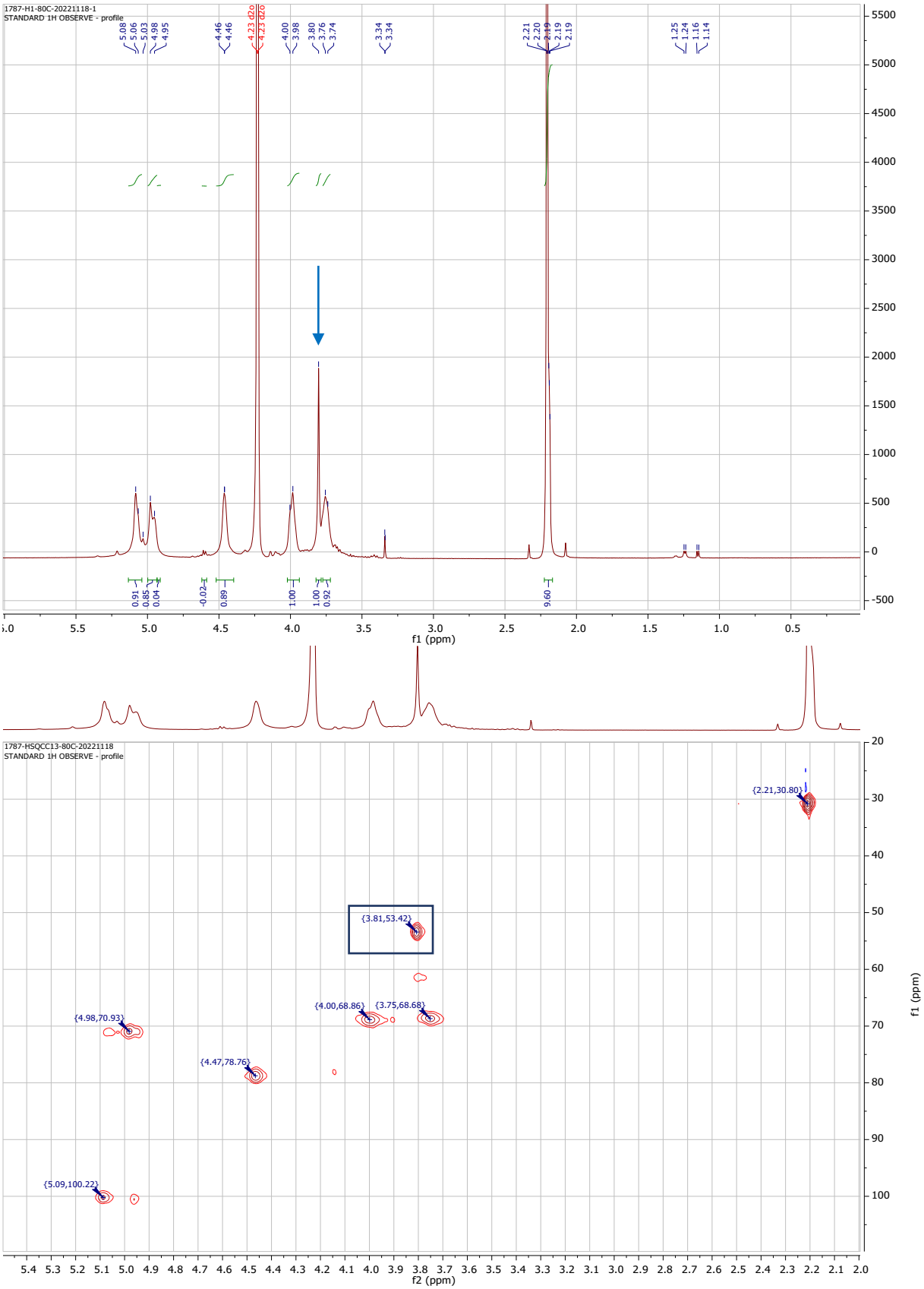
^{1}H and HSQC spectra of DM18LB



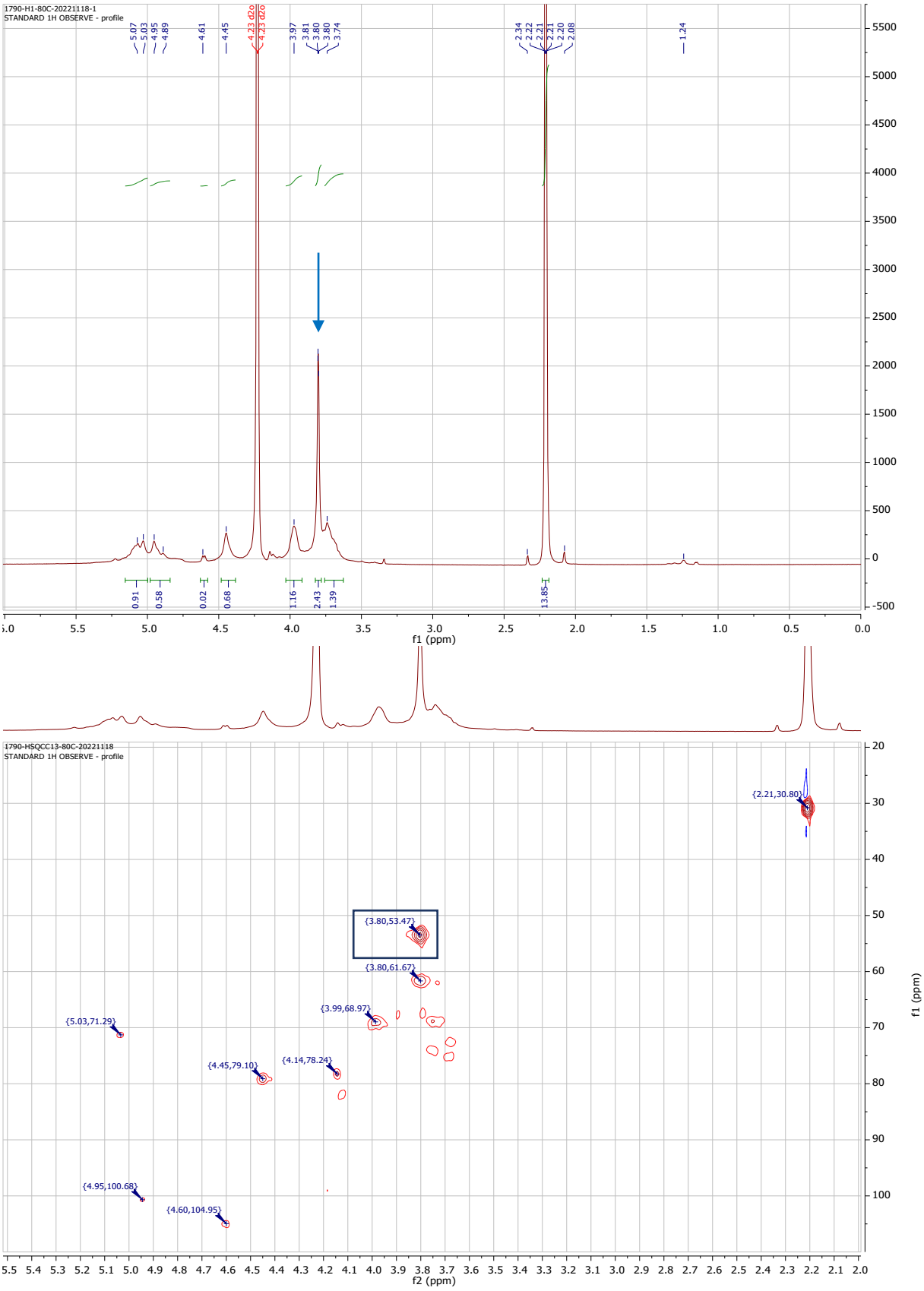
^{1}H and HSQC spectra of DM49LB



^{1}H and HSQC spectra of DM43HB



^{1}H and HSQC spectra of DM84LB



^{1}H and HSQC spectra of DM88HB