Supplementary information

Versatile oligomers and polymers from flavonoids – a new approach to synthesis

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Additional figures

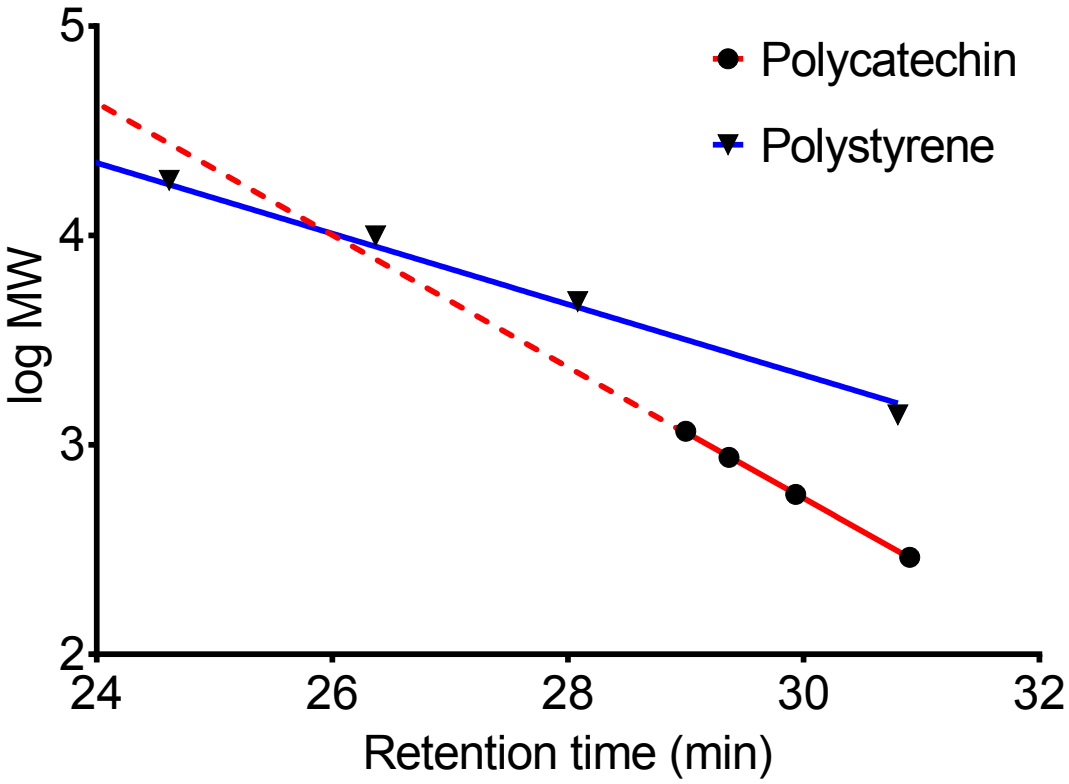

Figure S1: SEC calibration curve for polycatechin (Y = -0.3153*X + 12.2, r square = 0.9997) and polystyrene (Y = -0.169*X + 8.403, r square = 0.9947)

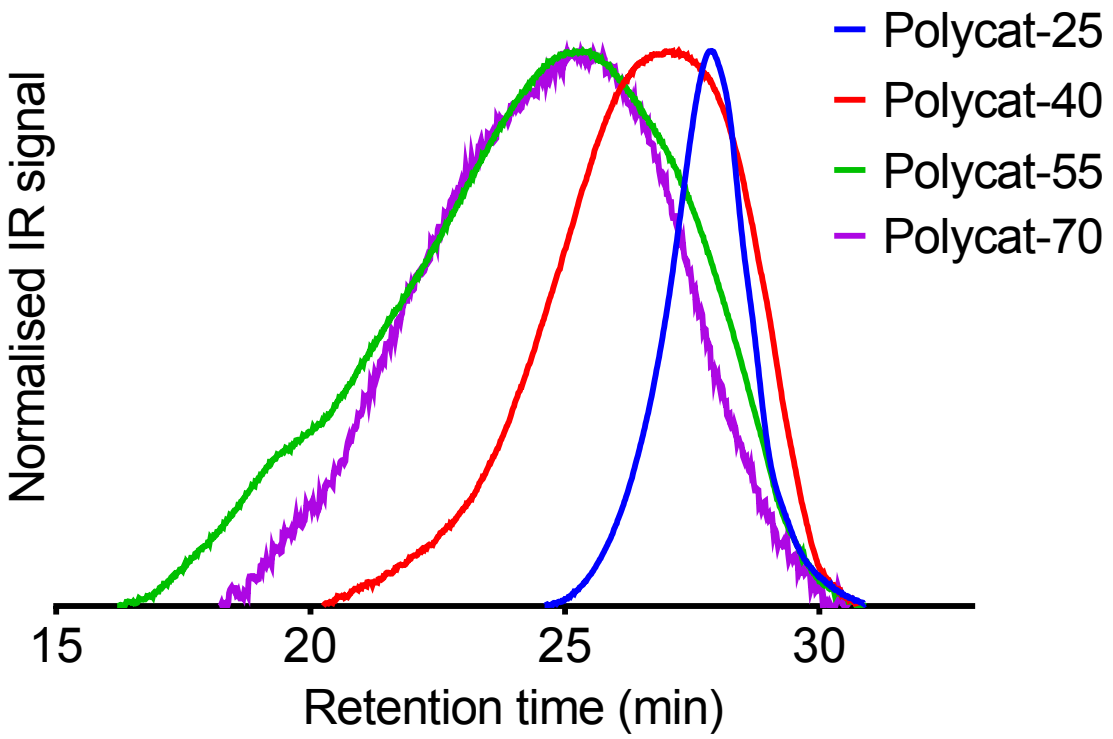

Figure S2: SEC of purified polymers prepared at varying temperatures with 15% v/v DMSO and 2 M HCl.

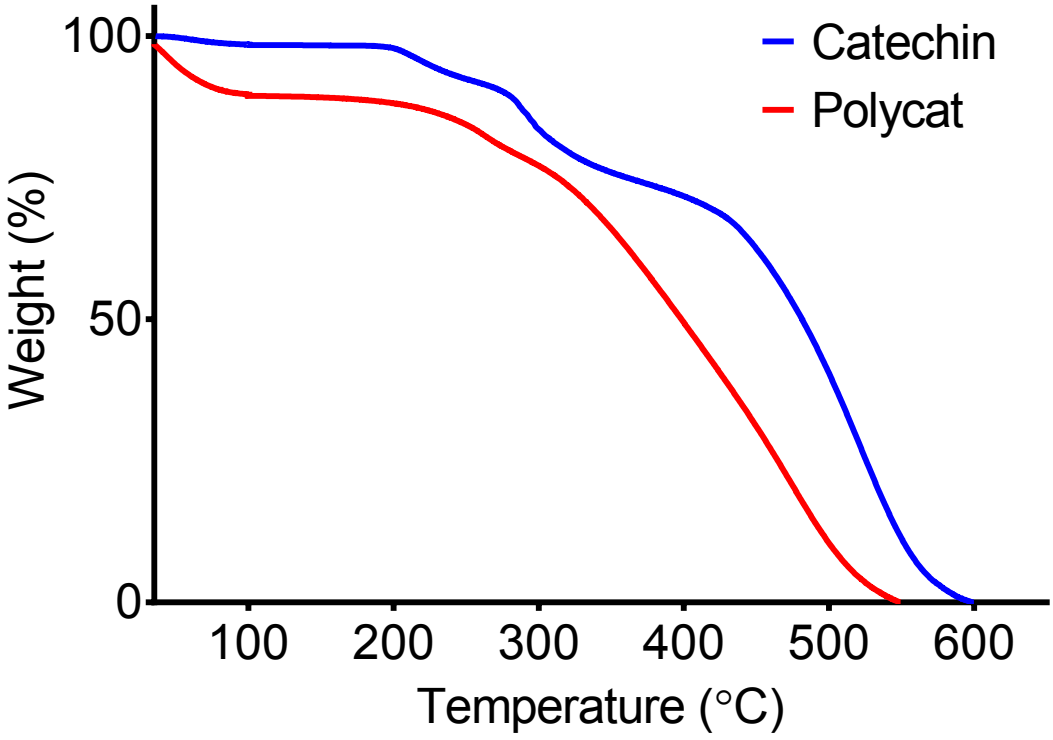

Figure S3: TGA traces for catechin and polycat.

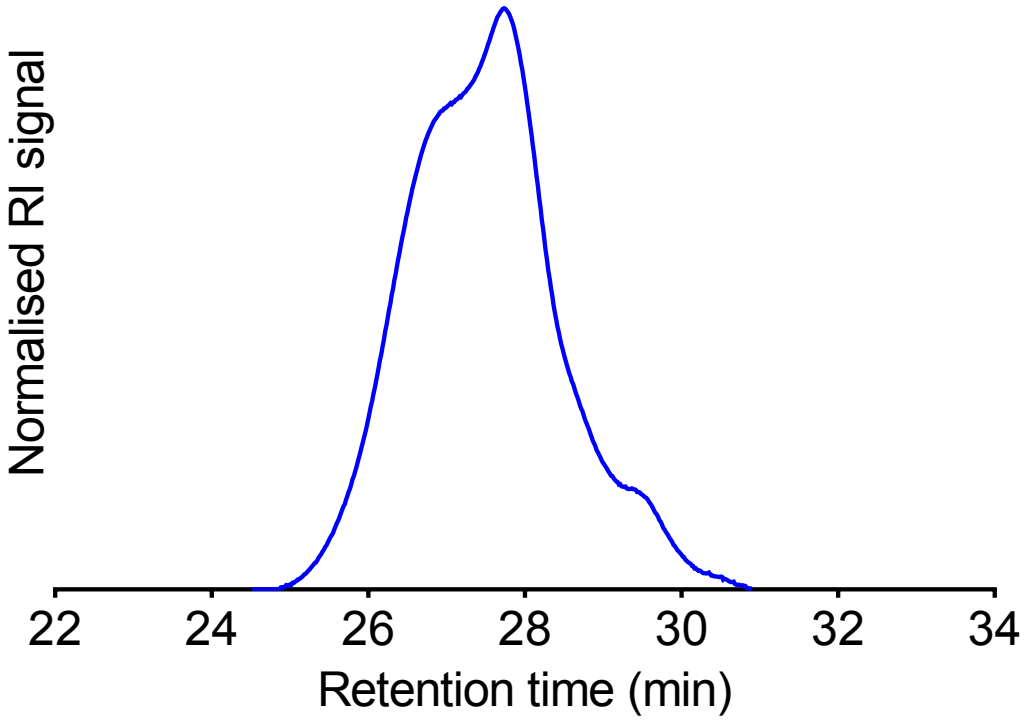

Figure S4: SEC of purified polyqcn prepared at 70 ^{0}C with 66% v/v DMSO and 4 M HCl.

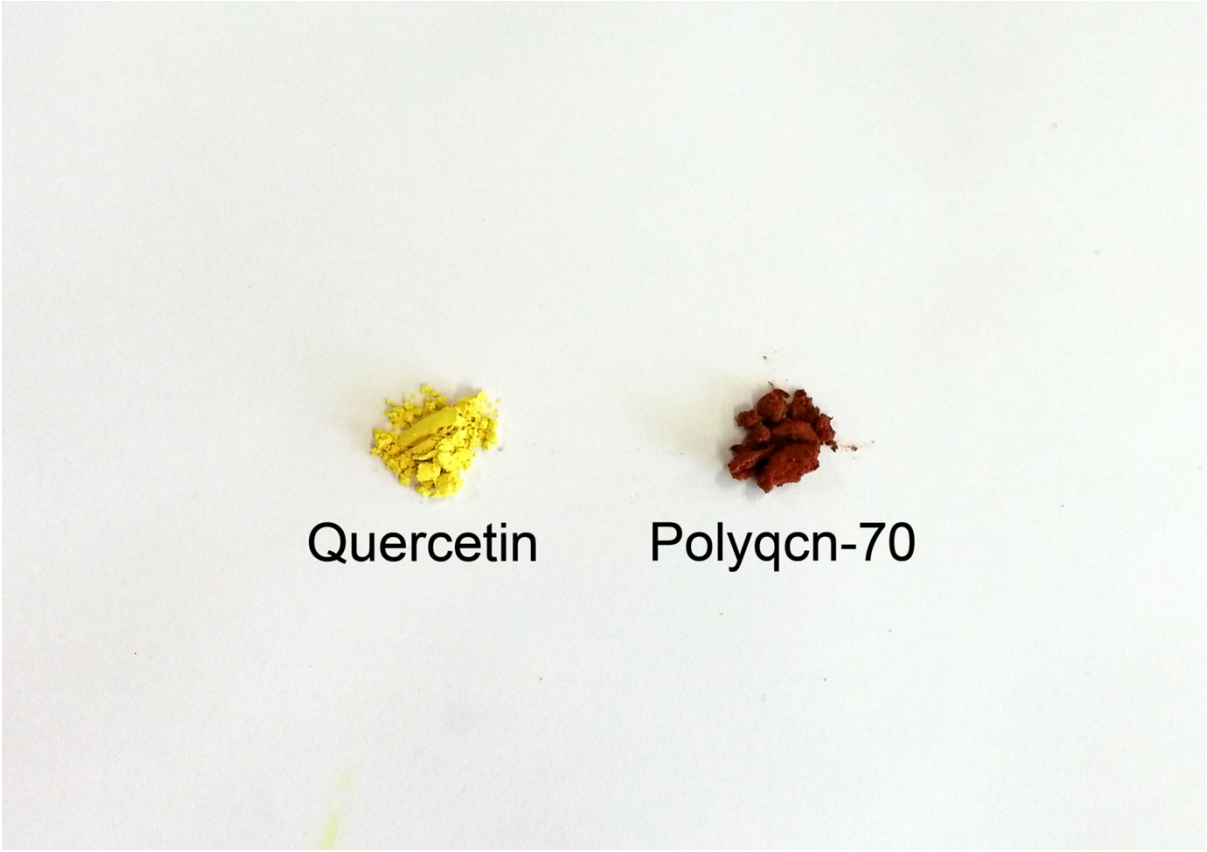

Figure S5: Digital photograph of quercetin and polyqcn-70

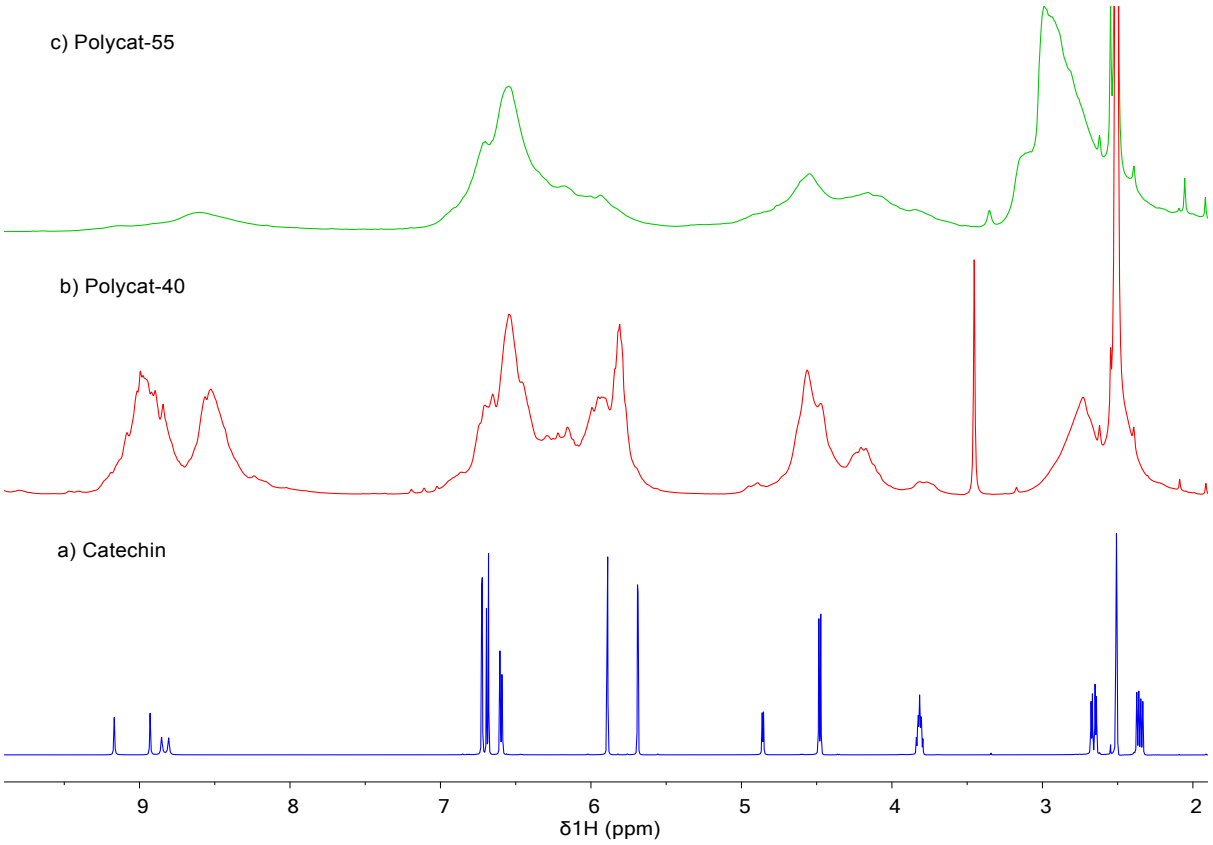

Figure S6: ^{1}H NMR spectra of a) catechin; b) polycat-40; c) polycat-55 in DMSO-d6 at 25 ^{0}C

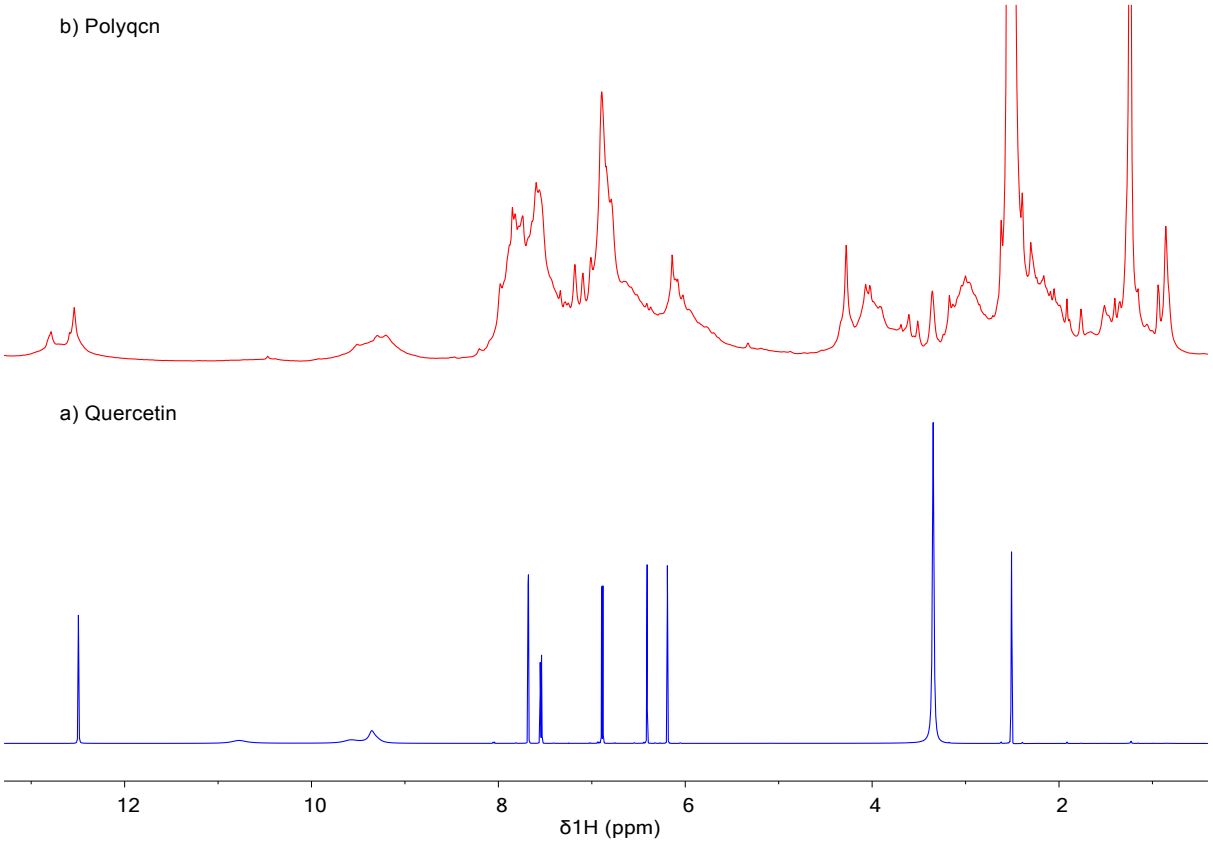

Figure S7: ^{1}H NMR spectra of a) quercetin; b) polyqcn in DMSO-d6 at 25 ^{0}C

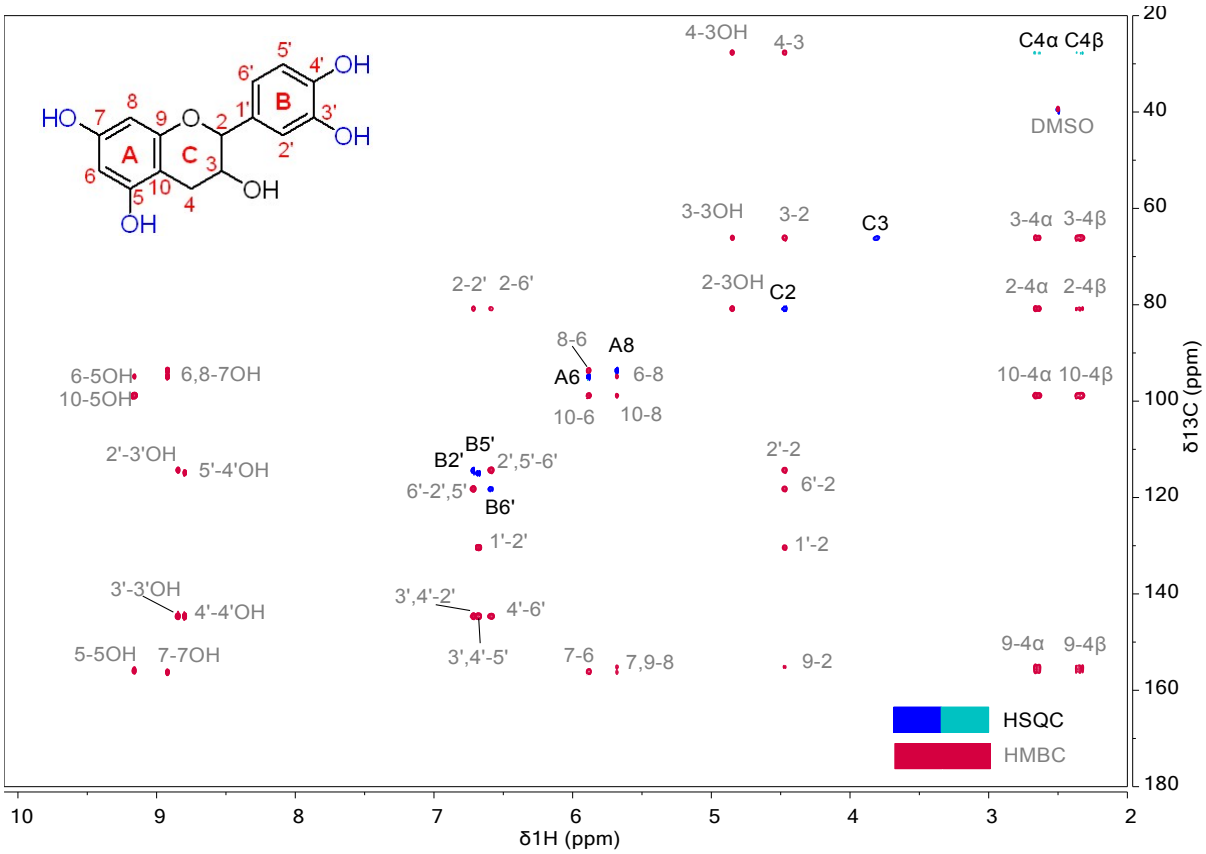

Figure S8: Overlay of ^{1}H-^{13}C HSQC and ^{1}H-^{13}C HMBC of catechin in DMSO-d6 at 25 ^{0}C.

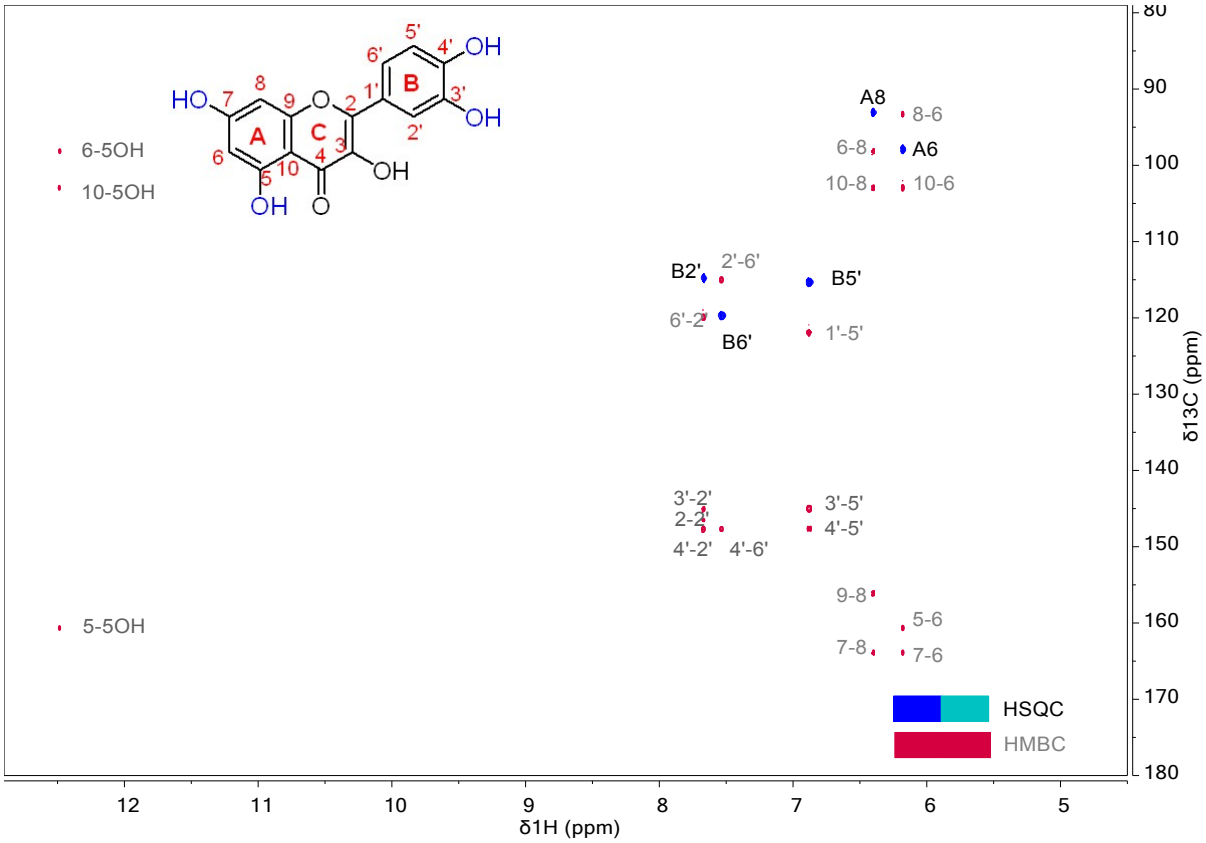

Figure S9: Overlay of ^{1}H-^{13}C HSQC and ^{1}H-^{13}C HMBC of quercetin in DMSO-d6 at 25 ^{0}C.

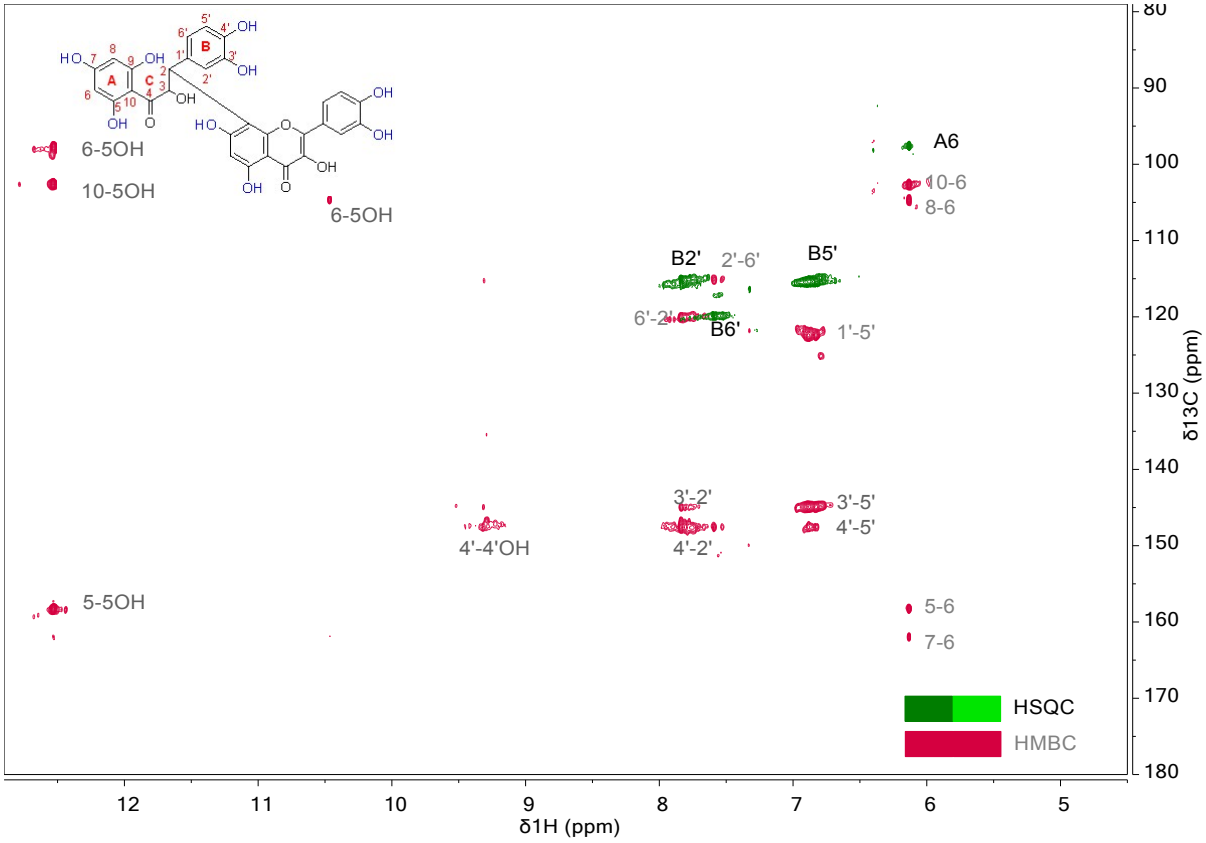

Figure S10: Overlay of ^{1}H-^{13}C HSQC and ^{1}H-^{13}C HMBC of polyqcn in DMSO-d6 at 25 ^{0}C.