

SUPPLEMENTARY MATERIALS

Bioactivity *in vitro* of quercetin glycoside obtained in *Beauveria bassiana* culture and its interaction with liposome membranes

Paulina Strugała ^{*1}, Tomasz Tronina ², Ewa Huszcza ² and Janina Gabrielska ¹

¹ Department of Physics and Biophysics, Wrocław University of Environmental and Life Sciences, Norwida 25, 50-375 Wrocław, Poland.

² Department of Chemistry, Wrocław University of Environmental and Life Sciences, Norwida 25, 50-375 Wrocław, Poland.

*Corresponding Author: E-mail address: paulina.strugala@upwr.edu.pl; tel: +48 713205167

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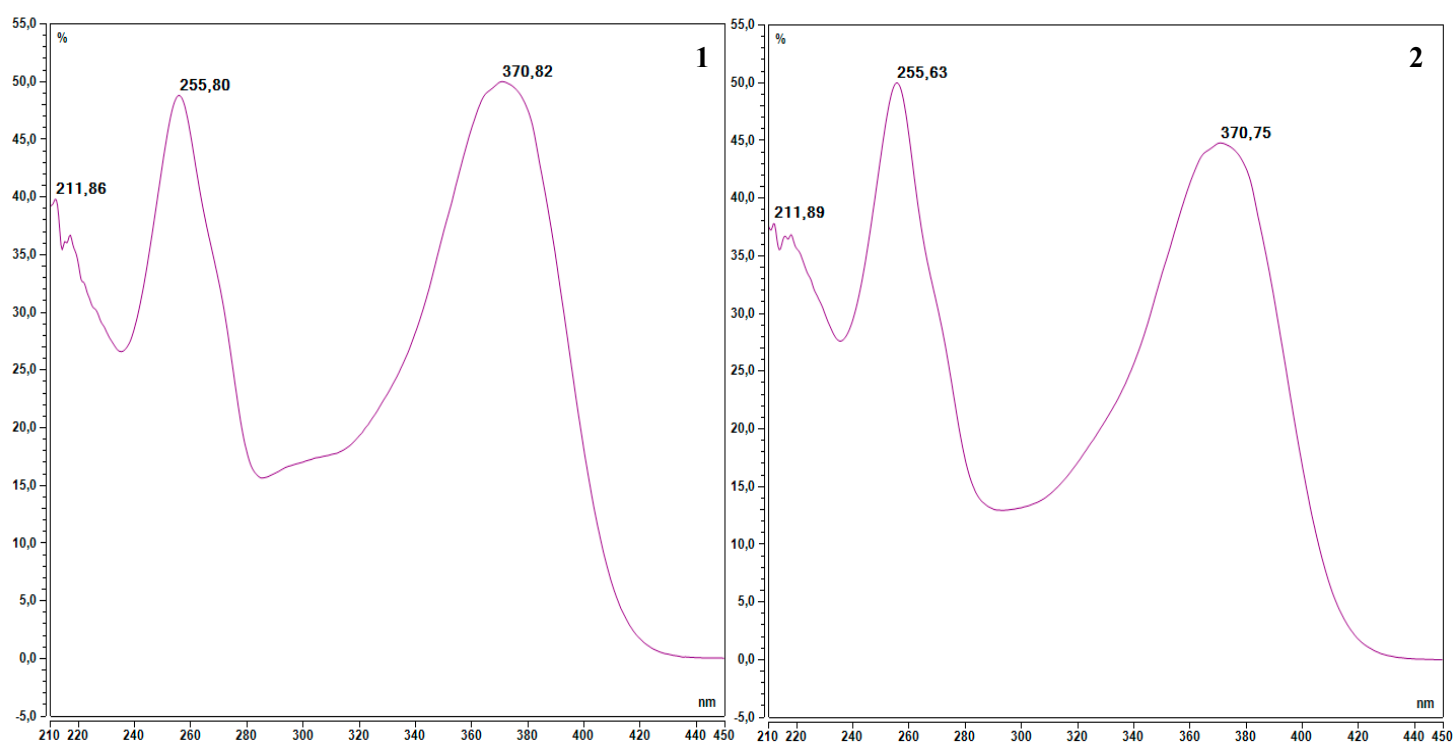


Figure S1. UV spectra of quercetin (Q) and guercetin 7-O-β-D-(4''-O-methyl)glucopyranoside (Q 7-MeGlu), (MeOH, Temp 20°C)

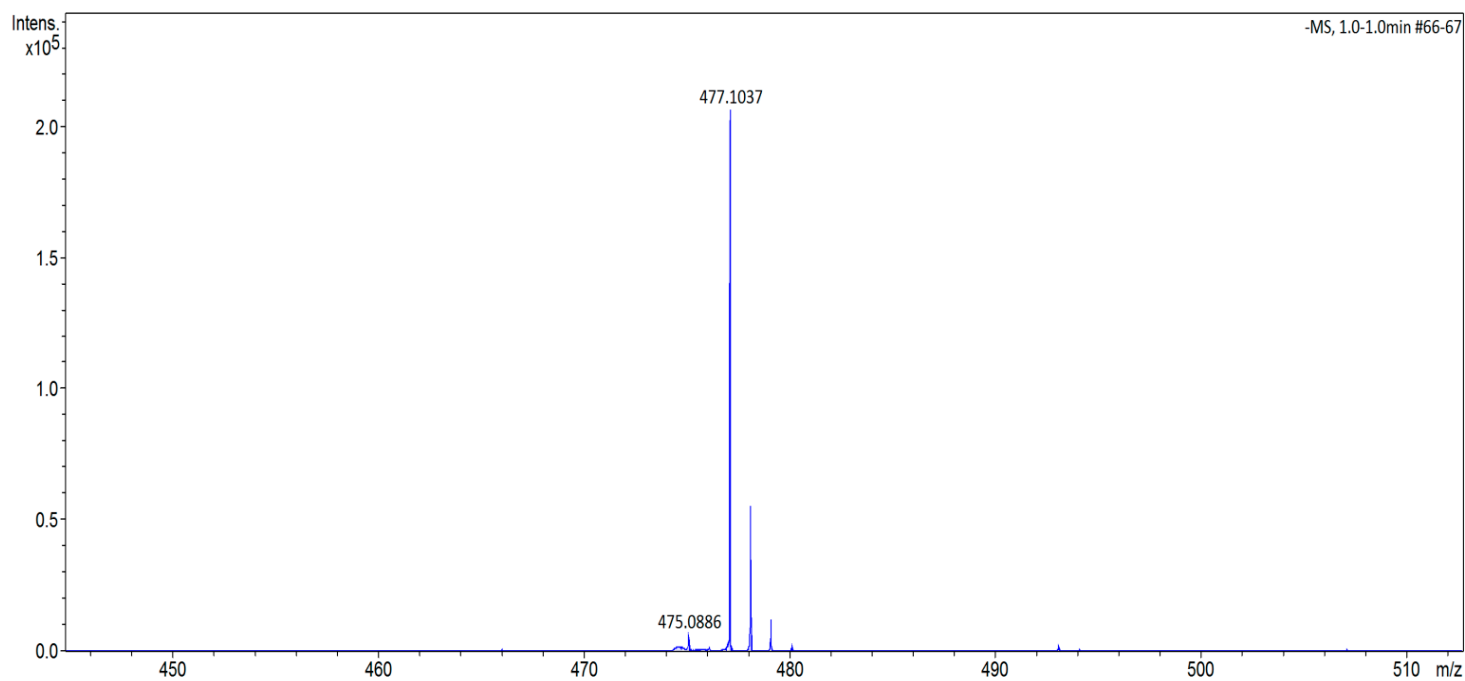


Figure S2. HR ESI-MS spectrum of guercetin 7-O-β-D-(4''-O-methyl)glucopyranoside (Q 7-MeGlu)

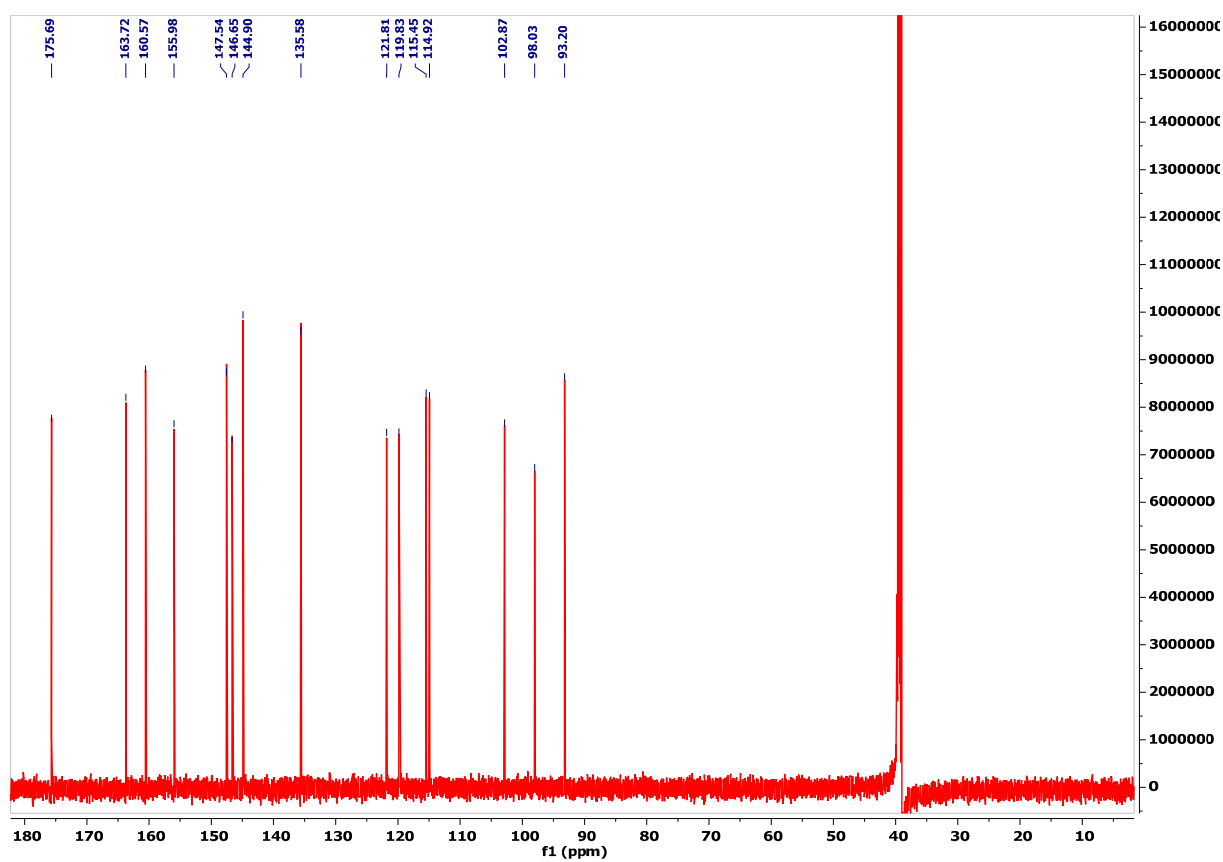
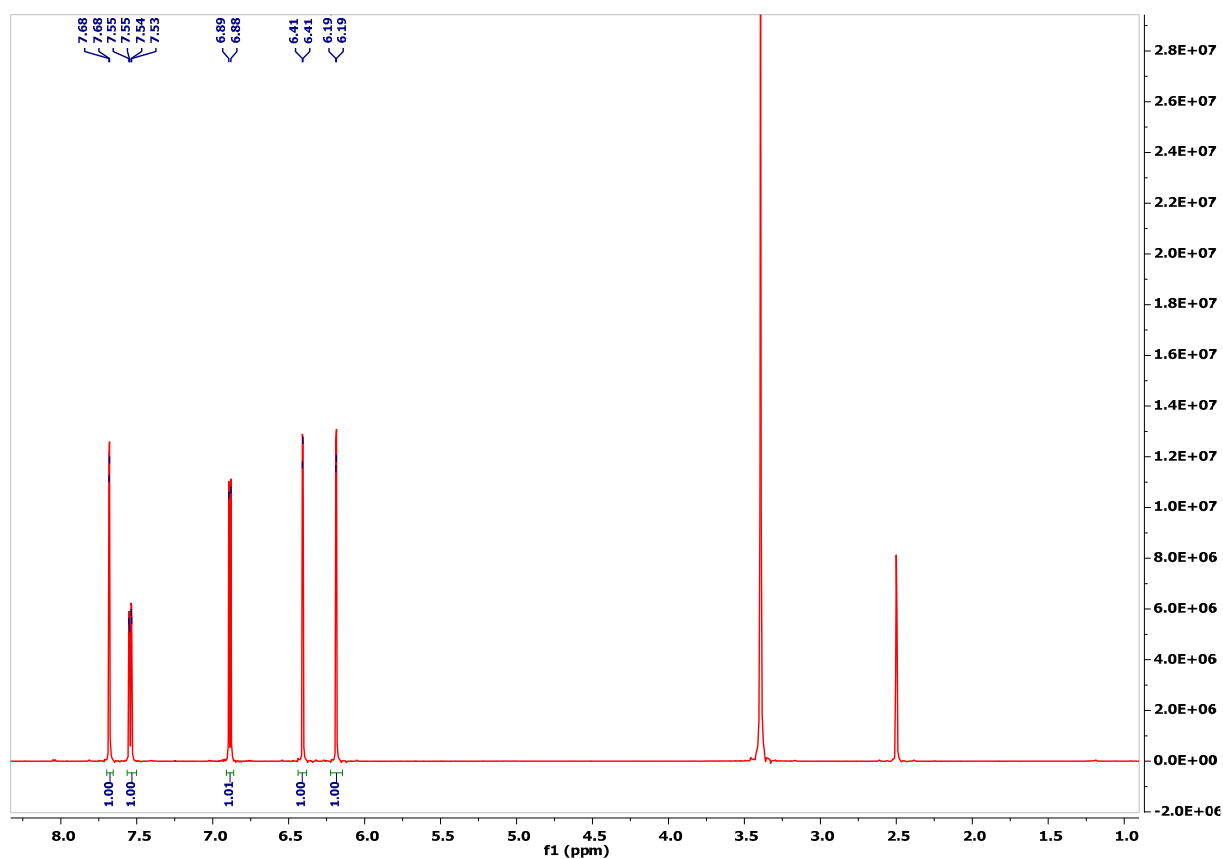


Figure S3. ¹H-NMR (Top) and ¹³C-NMR (Bottom) spectra of quercetin (Q)(600 and 151 MHz, DMSO-d₆, Temp. 28 °C)

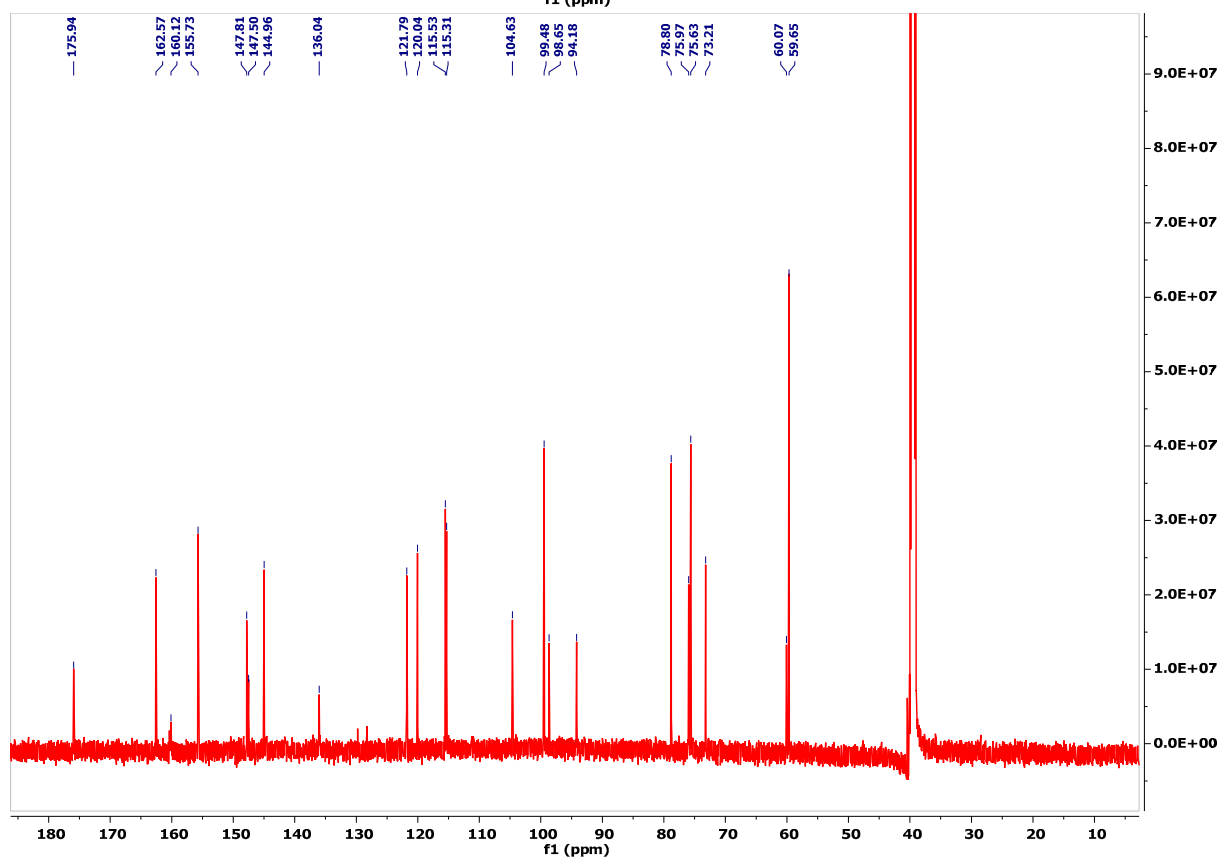
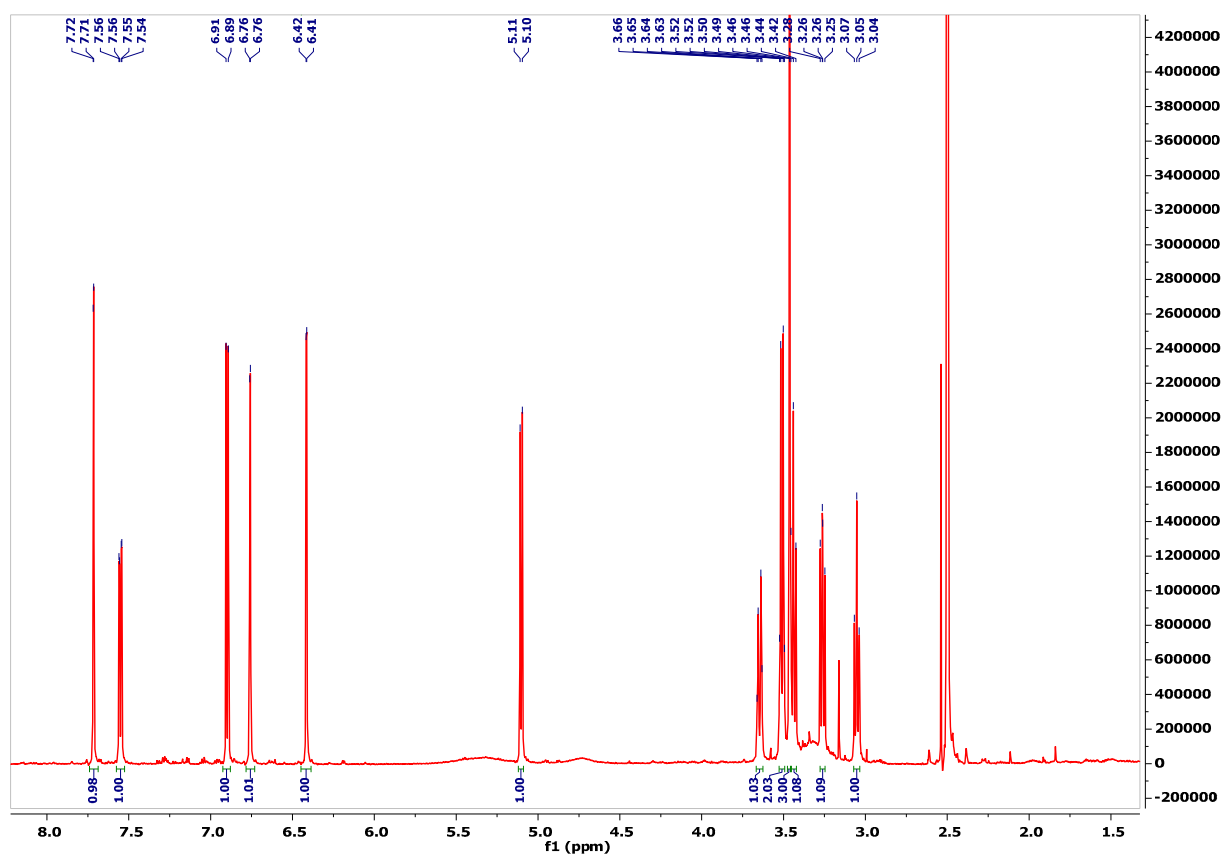


Figure S4. ¹H-NMR (Top) and ¹³C-NMR (Bottom) spectra of quercetin 7-O-β-D-(4''-O-methyl)glucopyranoside (Q 7-MeGlu) (600 and 151 MHz, DMSO-d₆, Temp. 28 °C)

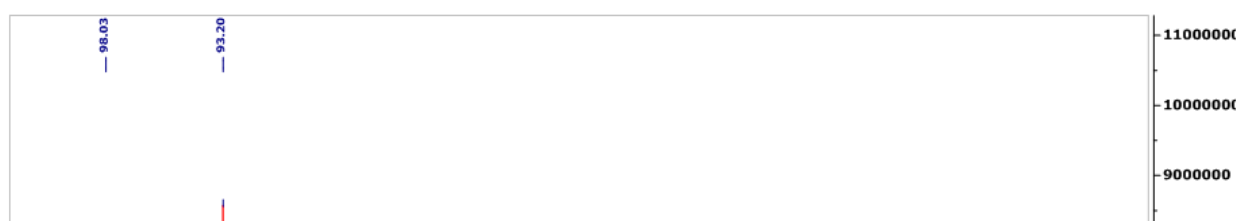


Figure S5. ^{13}C -NMR fragments of spectra of quercetin (**Q**) (Top) and quercetin 7-O- β -D-(4''-O-methyl)glucopyranoside (**Q 7-MeGlu**) (Bottom)(151 MHz, DMSO-d_6 , Temp. 28 $^{\circ}\text{C}$)

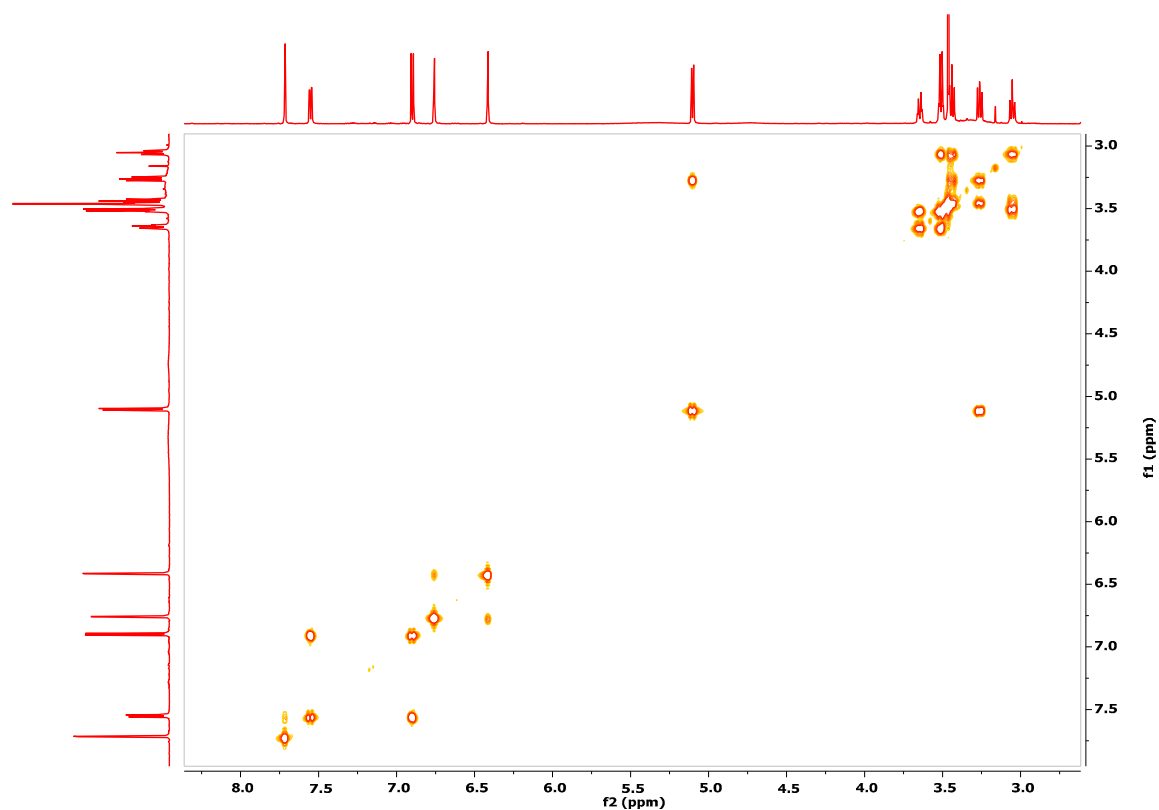


Figure S6. ^1H - ^1H -NMR (COSY) spectrum of quercetin 7-O- β -D-(4''-O-methyl)glucopyranoside (**Q 7-MeGlu**) (600 /600 MHz, DMSO-d_6 , Temp. 28 $^{\circ}\text{C}$)

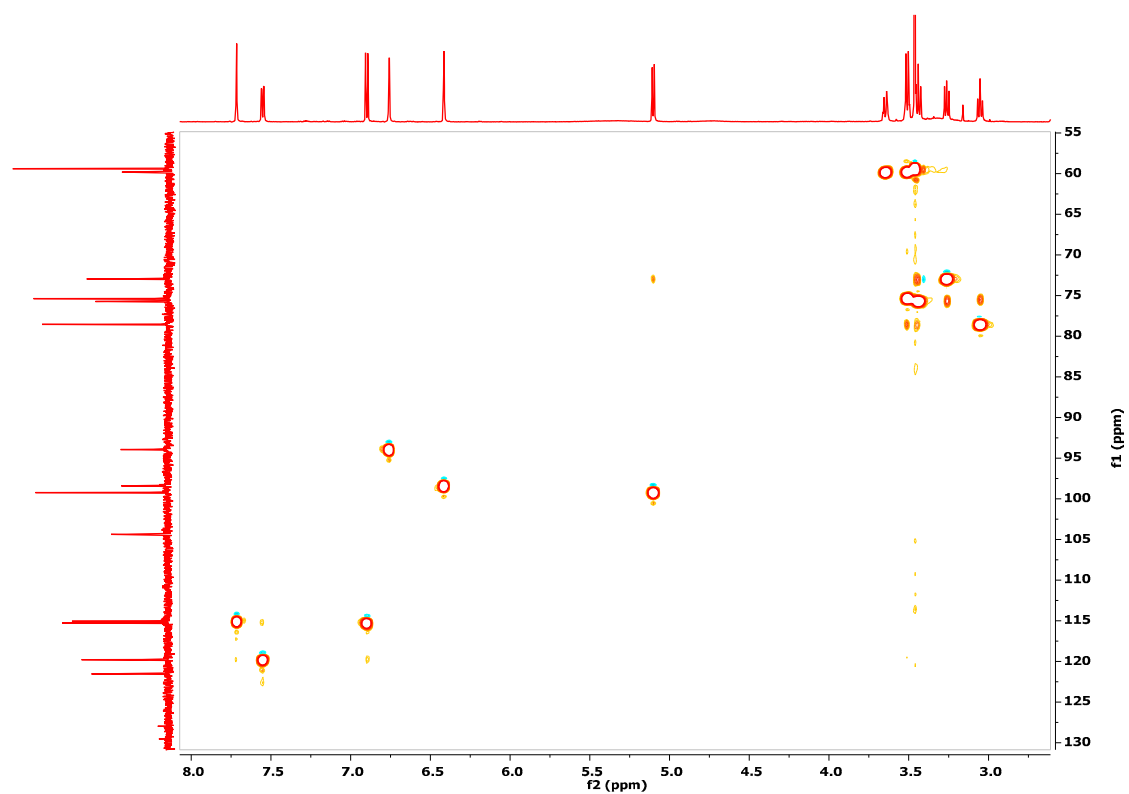


Figure S7. ^1H - ^{13}C -NMR (HSQC) spectrum of quercetin 7-O- β -D-(4''-O-methyl)glucopyranoside (**Q 7-MeGlu**) (600 /151 MHz, DMSO- d_6 , Temp. 28 $^{\circ}\text{C}$)