



Supporting Information

for

A simple and effective preparation of quercetin pentamethyl ether from quercetin

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NMR charts of methylated products 1, 3, 4 and 5

NMR charts of methylated products **1**, **3**, **4**, and **5**

Fig. S1. ^1H NMR (400 MHz, in CDCl_3) of quercetin pentamethyl ether 1	S2
Fig. S2. ^{13}C NMR (100 MHz, in CDCl_3) of quercetin pentamethyl ether 1	S3
Fig. S3. ^1H NMR (400 MHz, in DMSO-d_6) of quercetin trimethyl ether 3	S4
Fig. S4. ^{13}C NMR (100 MHz, in DMSO-d_6) of quercetin trimethyl ether 3	S5
Fig. S5. ^1H NMR (400 MHz, in CDCl_3) of quercetin tetramethyl ether 4	S6
Fig. S6. ^{13}C NMR (100 MHz, in CDCl_3) of quercetin tetramethyl ether 4	S7
Fig. S7. ^1H NMR (400 MHz, in CDCl_3) of 6-methylquercetin pentamethyl ether 5	S8
Fig. S8. ^{13}C NMR (100 MHz, in CDCl_3) of 6-methylquercetin pentamethyl ether 5	S9
Fig. S9. COSY of 6-methylquercetin pentamethyl ether 5	S10
Fig. S10. NOESY of 6-methylquercetin pentamethyl ether 5	S11
Fig. S11. HSQC of 6-methylquercetin pentamethyl ether 5	S12
Fig. S12. HMBC of 6-methylquercetin pentamethyl ether 5	S13

Fig. S1. ^1H NMR (400 MHz, in CDCl_3) of quercetin pentamethyl ether **1**

PMF-8 (^1H)

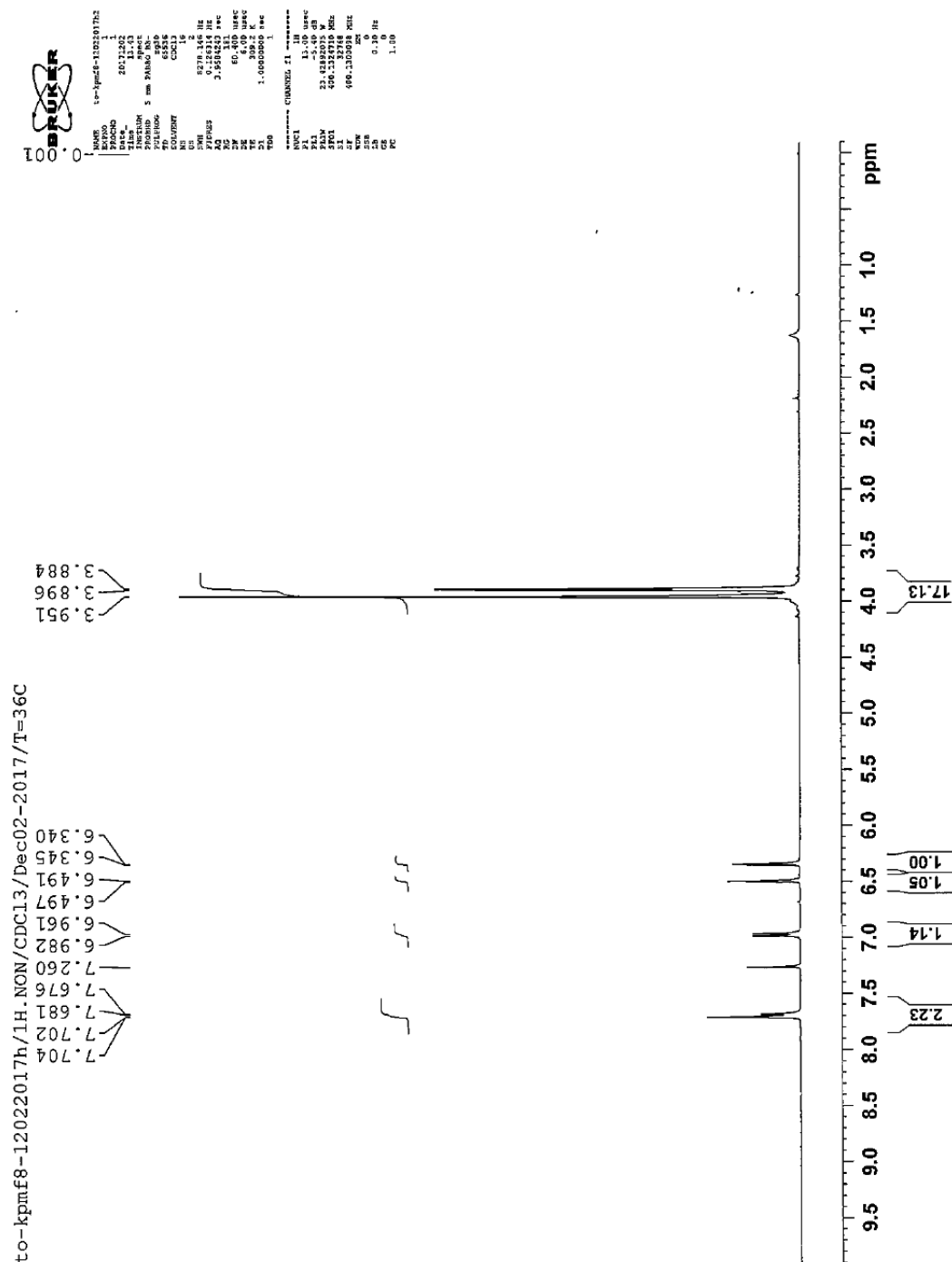


Fig. S2. ^{13}C NMR (100 MHz, in CDCl_3) of quercetin pentamethyl ether **1**

kpmf-8 (^{13}C)

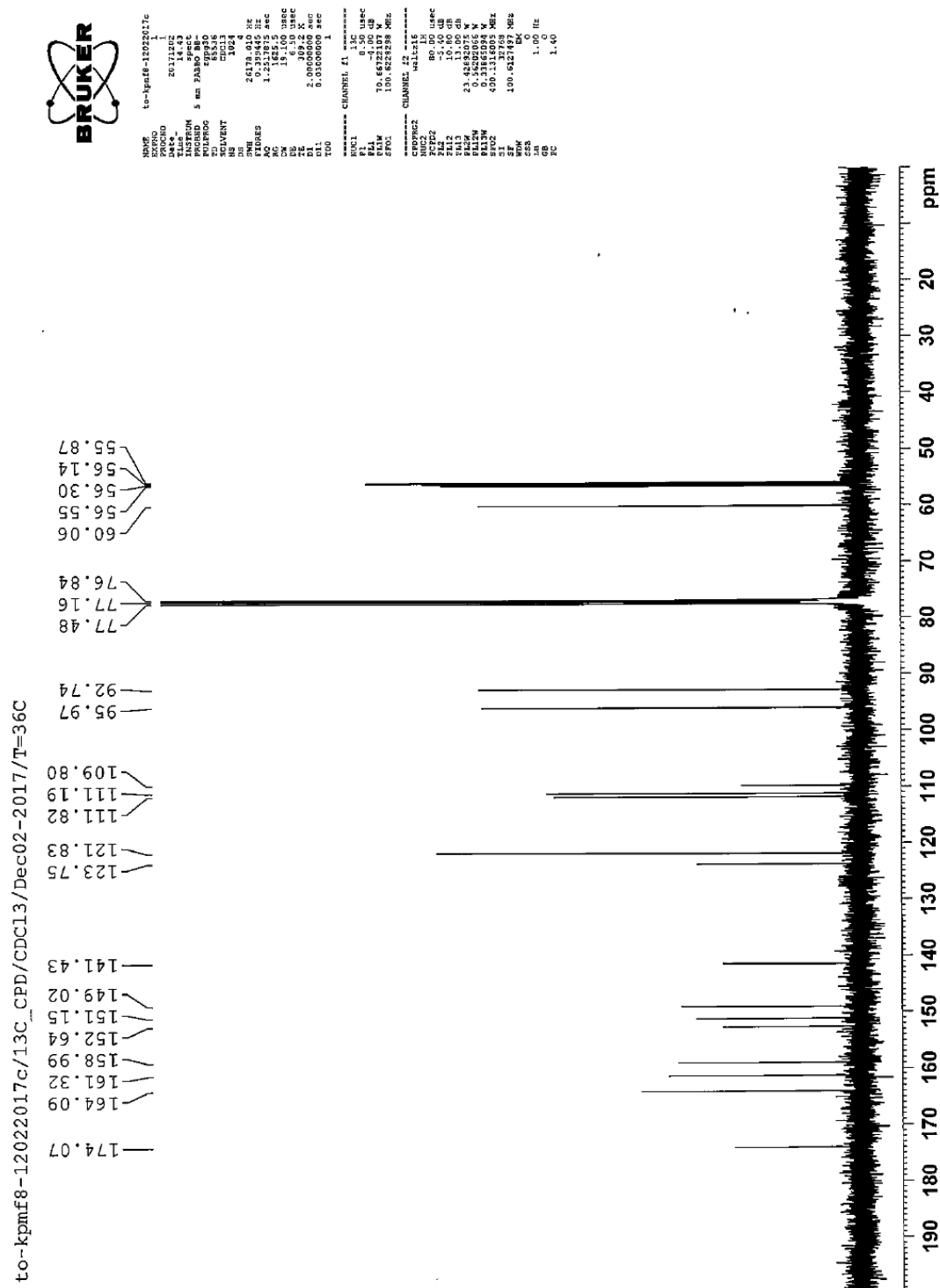


Fig. S3. ^1H NMR (400 MHz, in DMSO-d_6) of quercetin trimethyl ether **3**

KPMF-11(14)

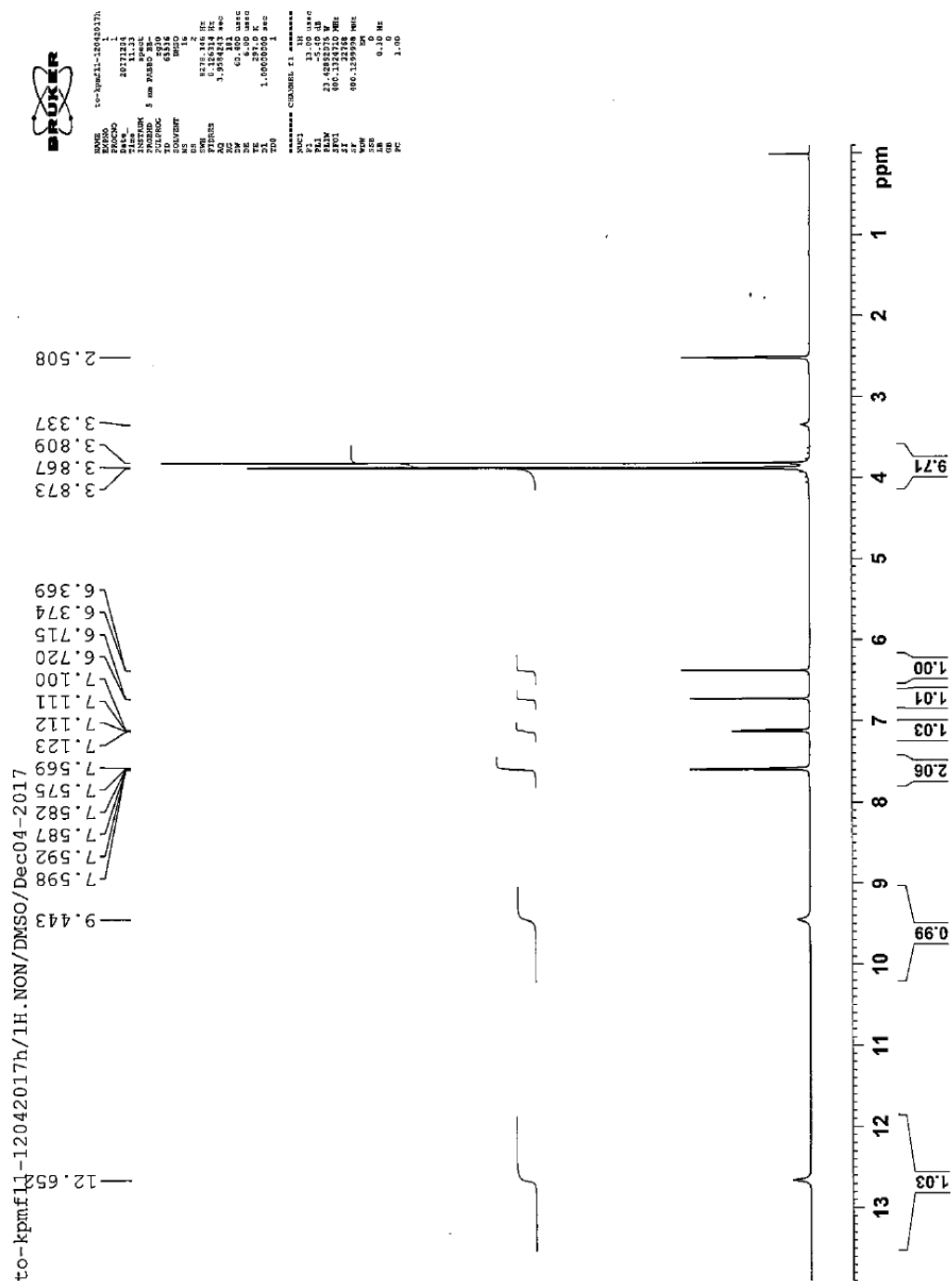


Fig. S4. ^{13}C NMR (100 MHz, in DMSO-d_6) of quercetin trimethyl ether **3**

kpmf-11 (^{13}C)

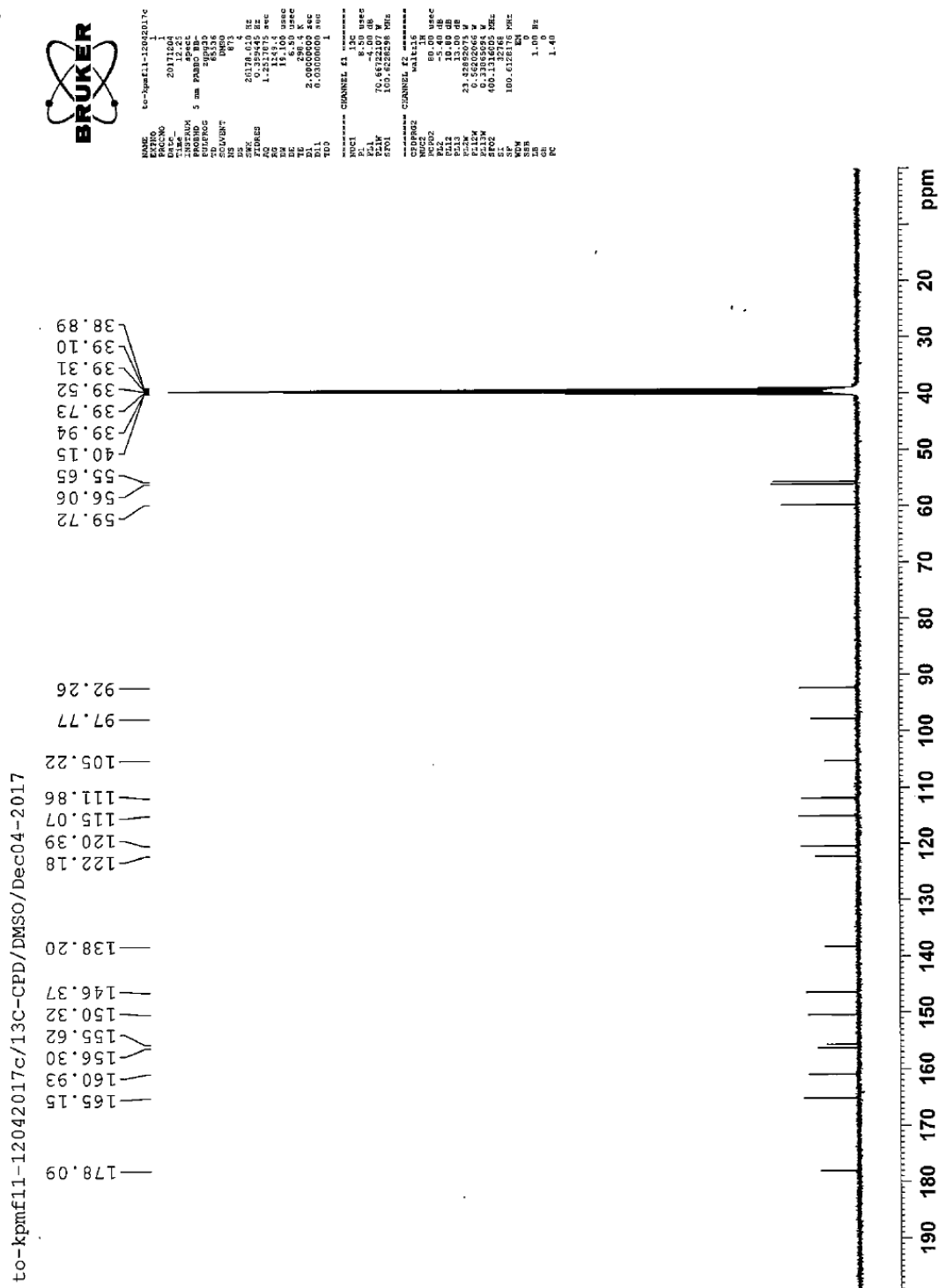


Fig. S5. ^1H NMR (400 MHz, in CDCl_3) of quercetin tetramethyl ether **4**

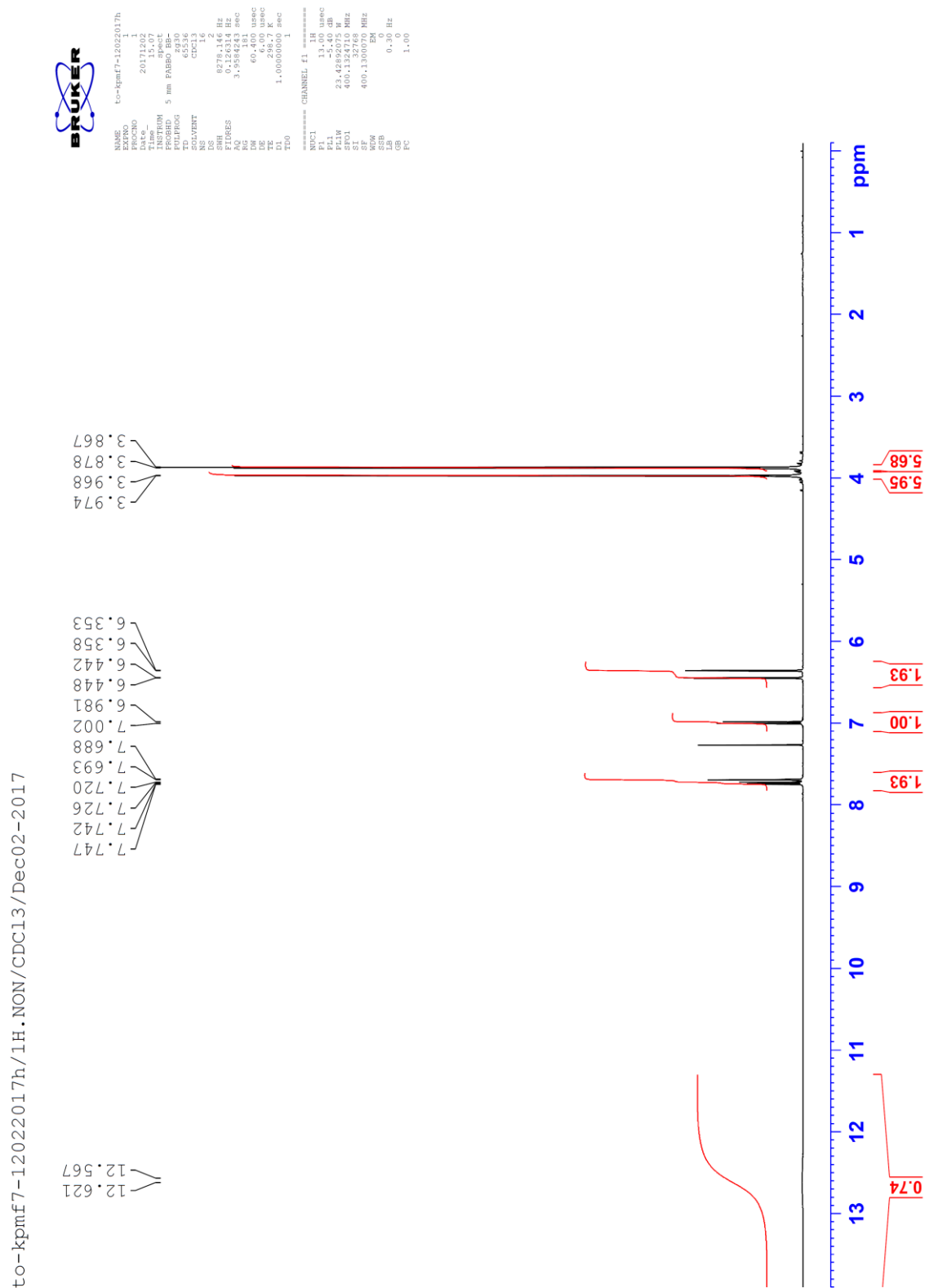


Fig. S6. ^{13}C NMR (100 MHz, in CDCl_3) of quercetin tetramethyl ether **4**

^{13}C NMR $\rightarrow$ (^{13}C)

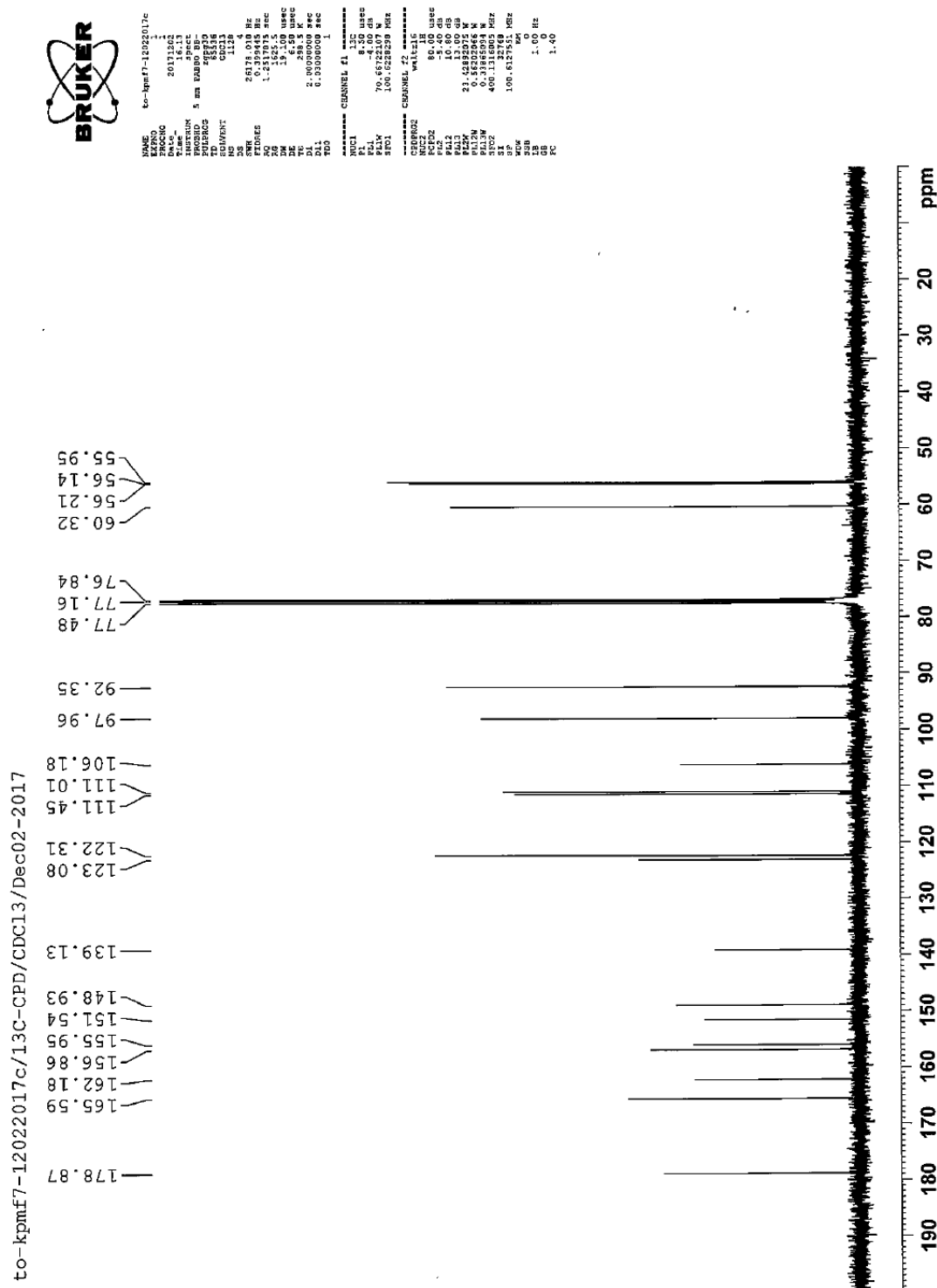


Fig. S7 ^1H NMR (400 MHz, in CDCl_3) of 6-methylquercetin pentamethyl ether **5**

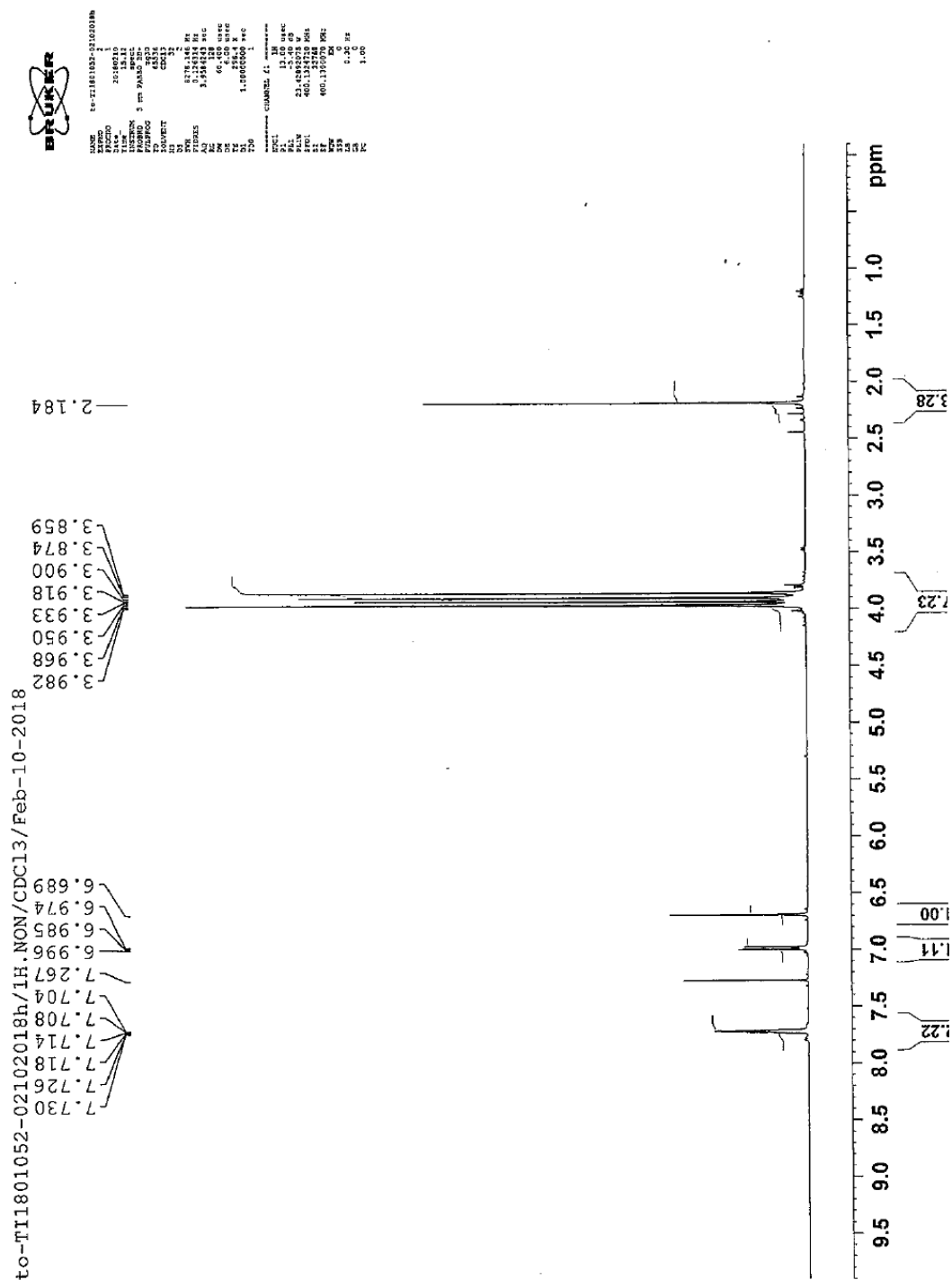


Fig. S10. NOESY of 6-methylquercetin pentamethyl ether **5**

