

Support Information for

Design, synthesis and biological evaluation of quinazoline and pyrrolo[3,2-*d*]pyrimidine derivatives as TLR7 agonists for antiviral agents

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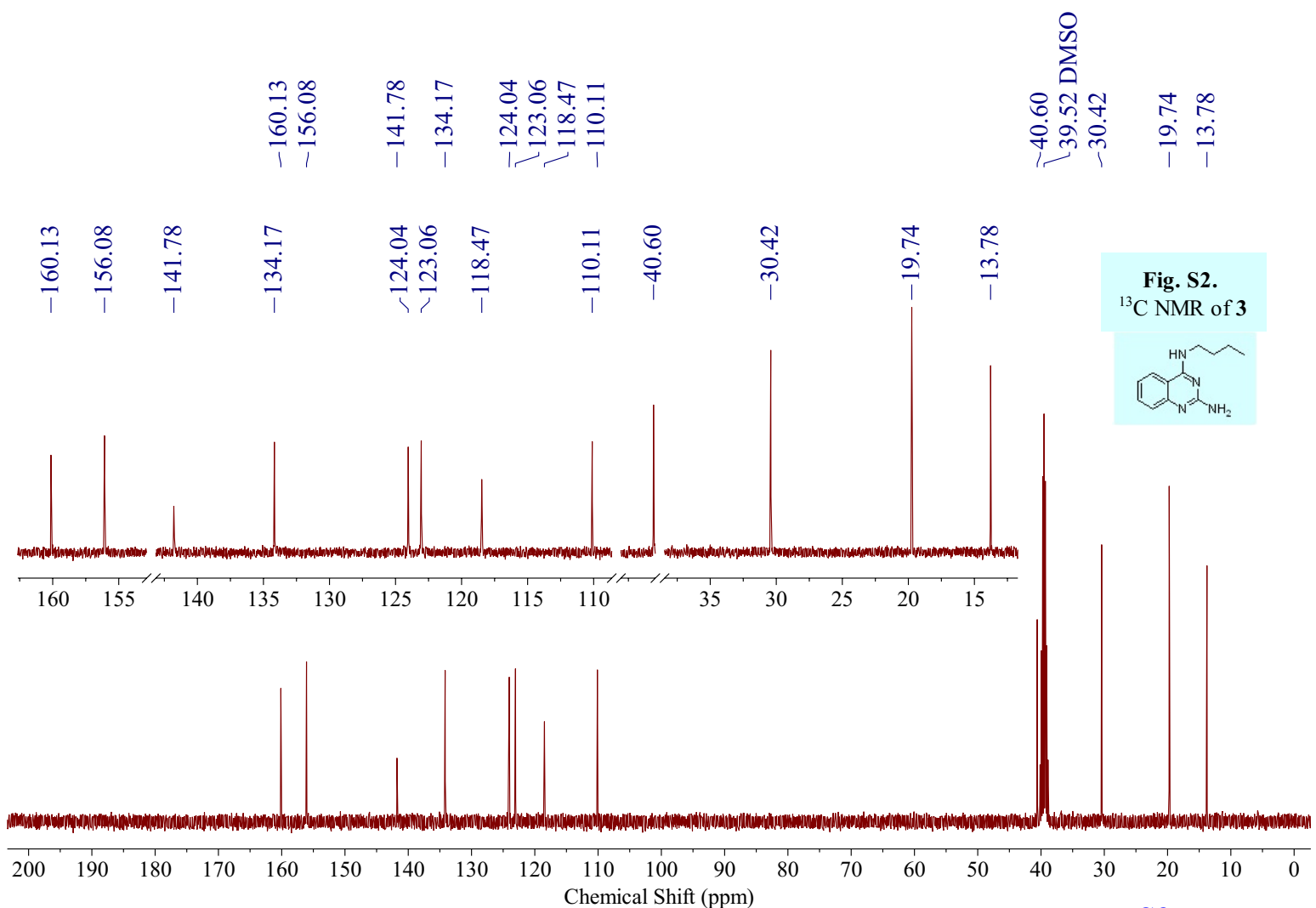
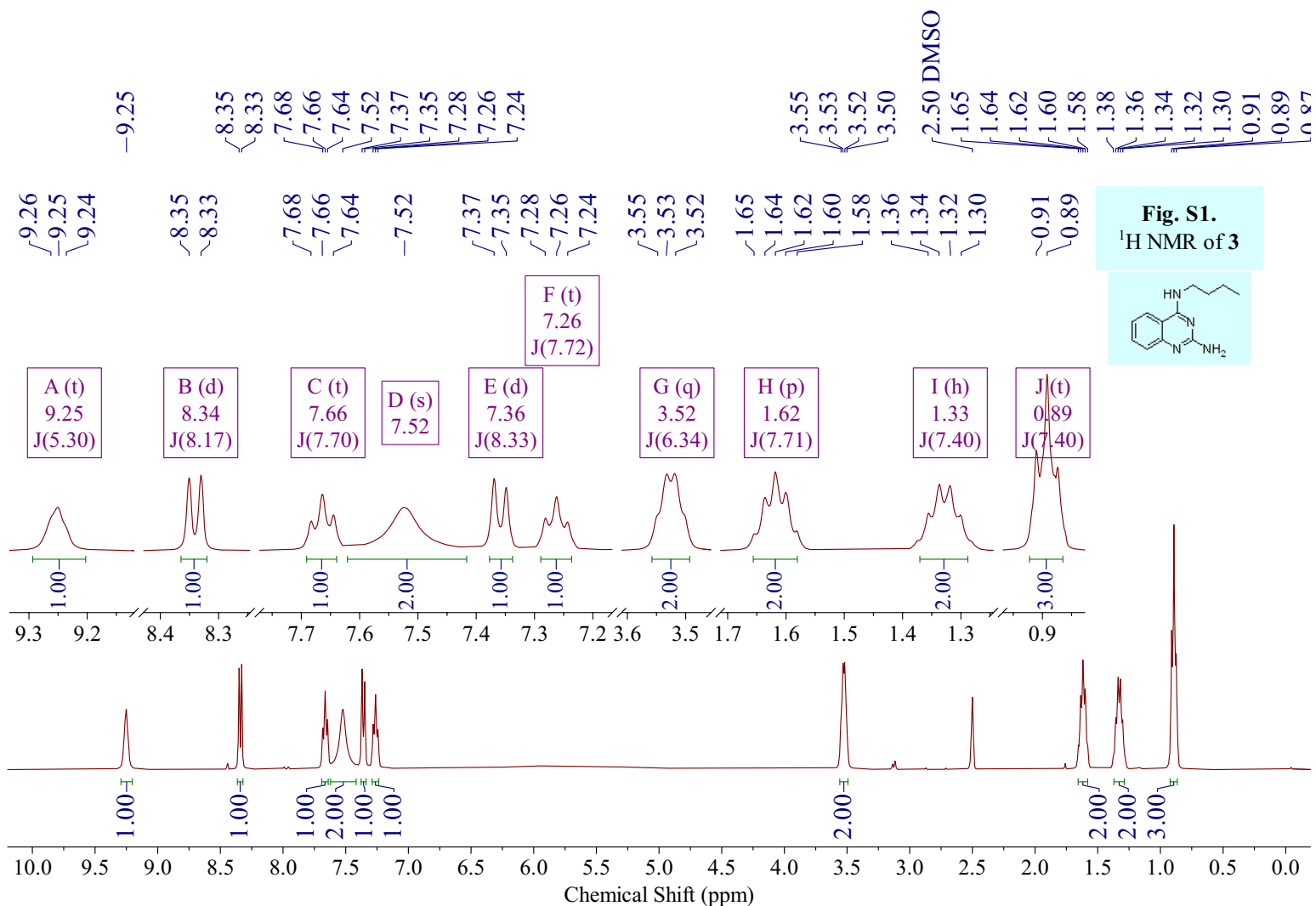
^f Key Laboratory of Animal Growth and Development of Henan Province, Zhengzhou, Henan Province, 450046, China.

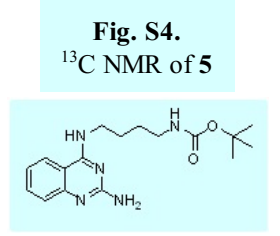
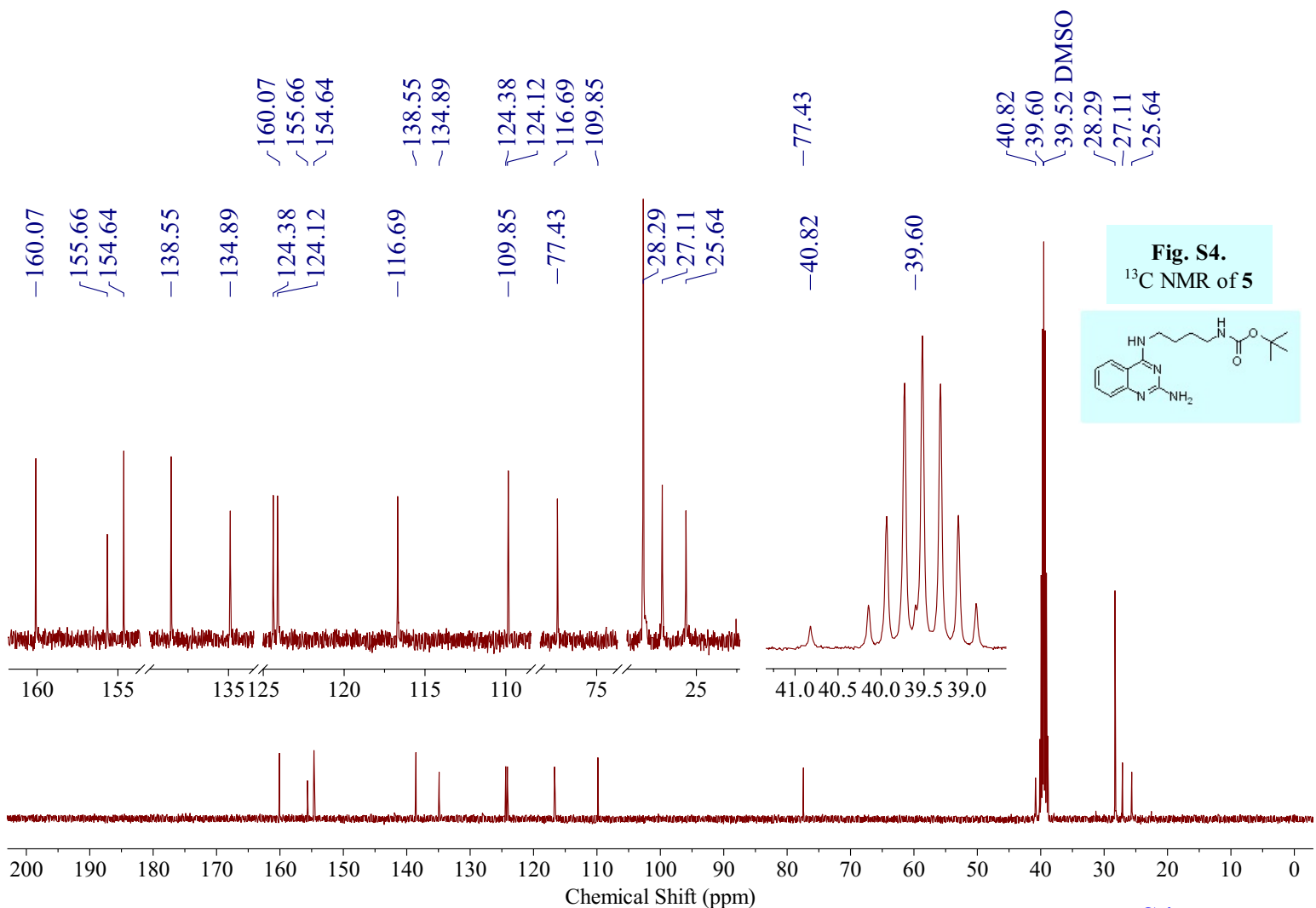
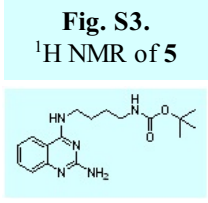
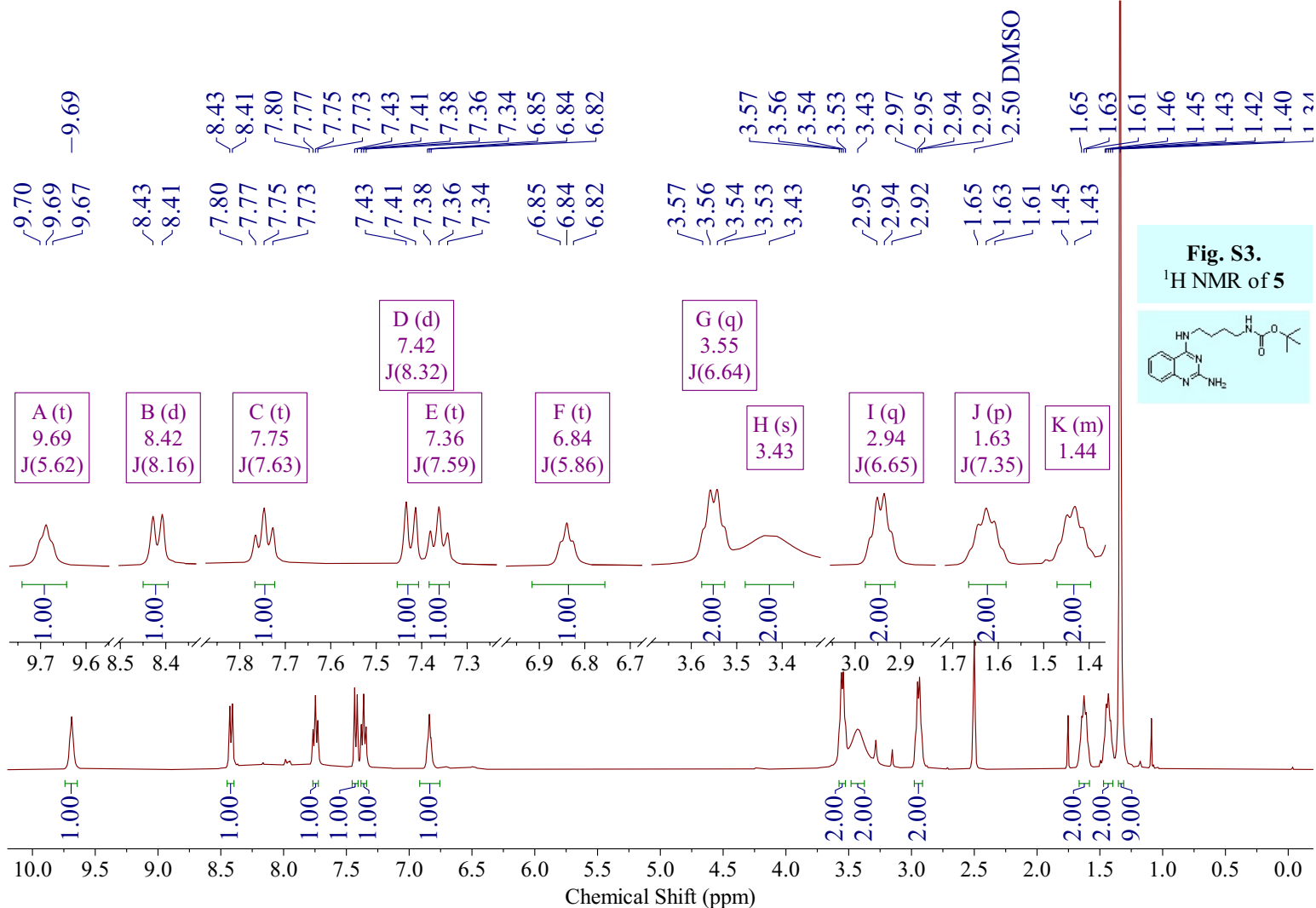
† Co-first authors.

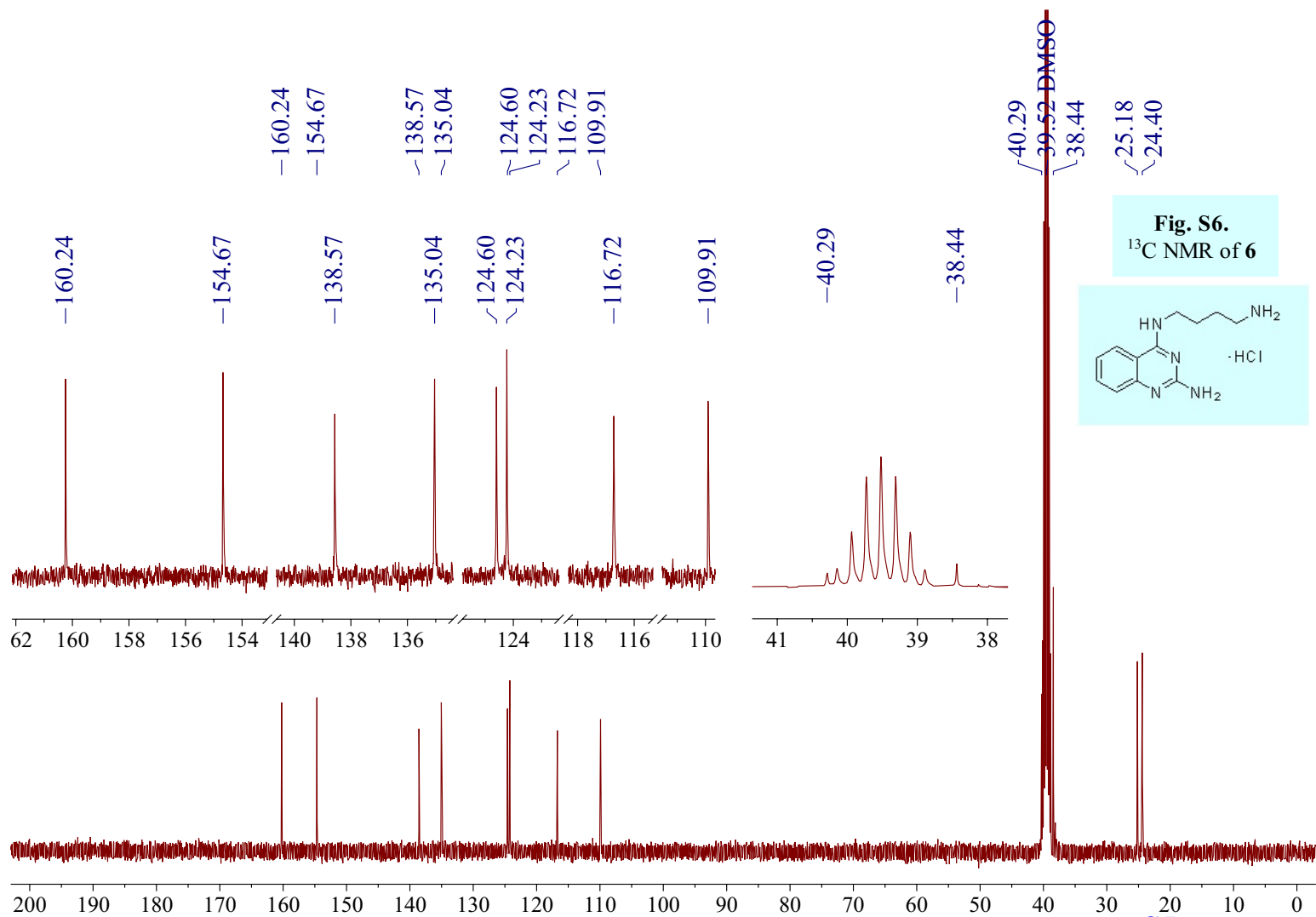
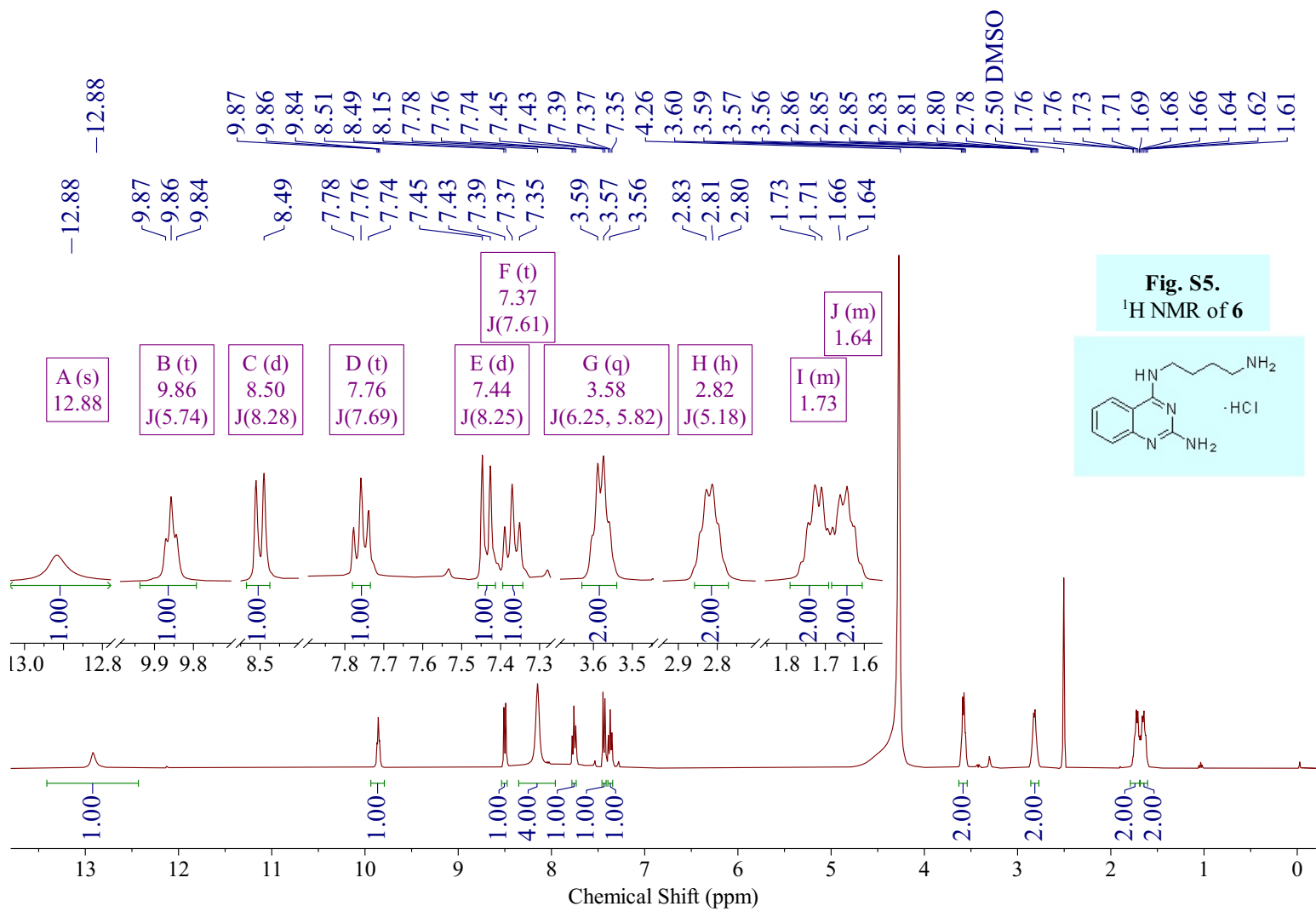
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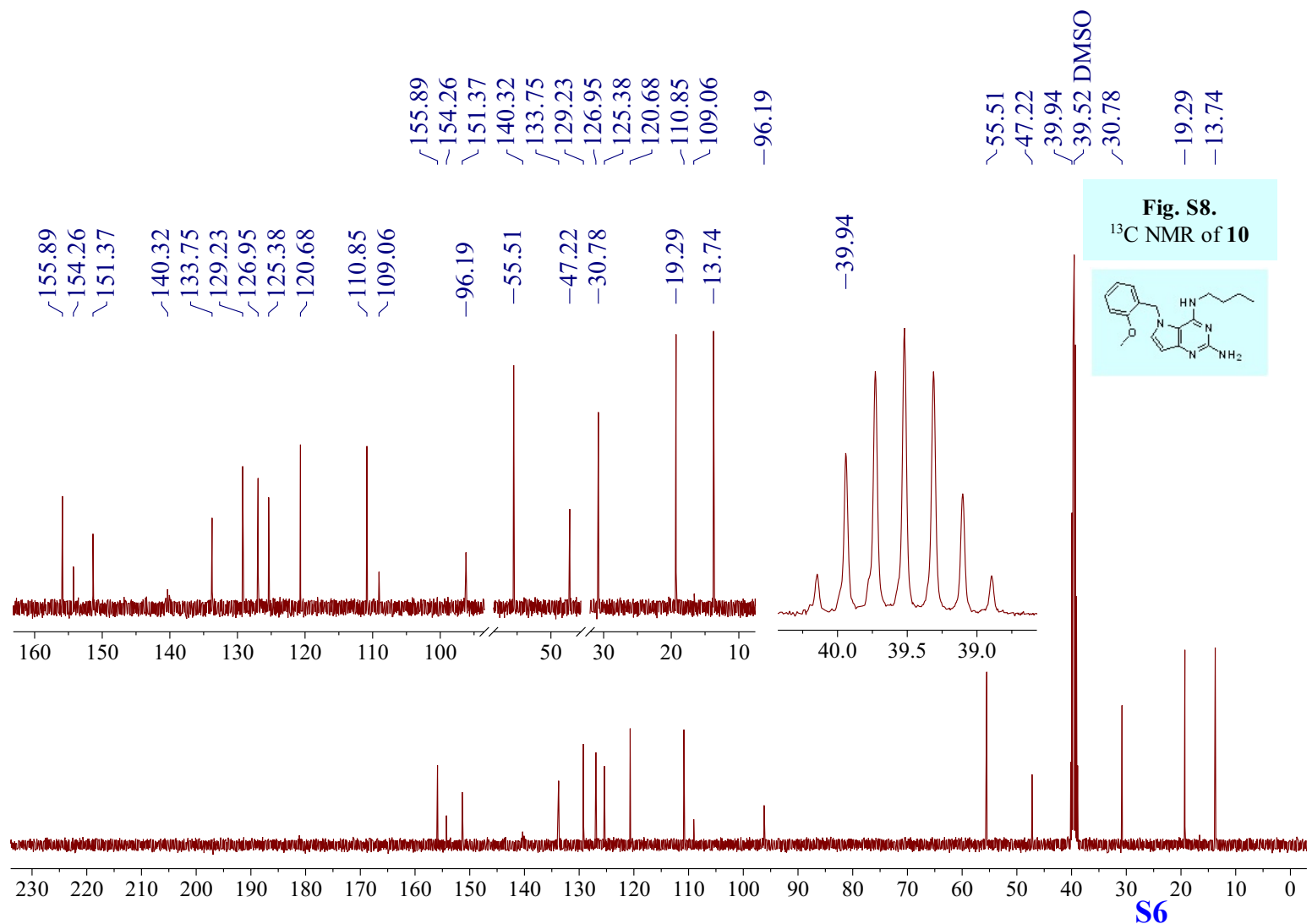
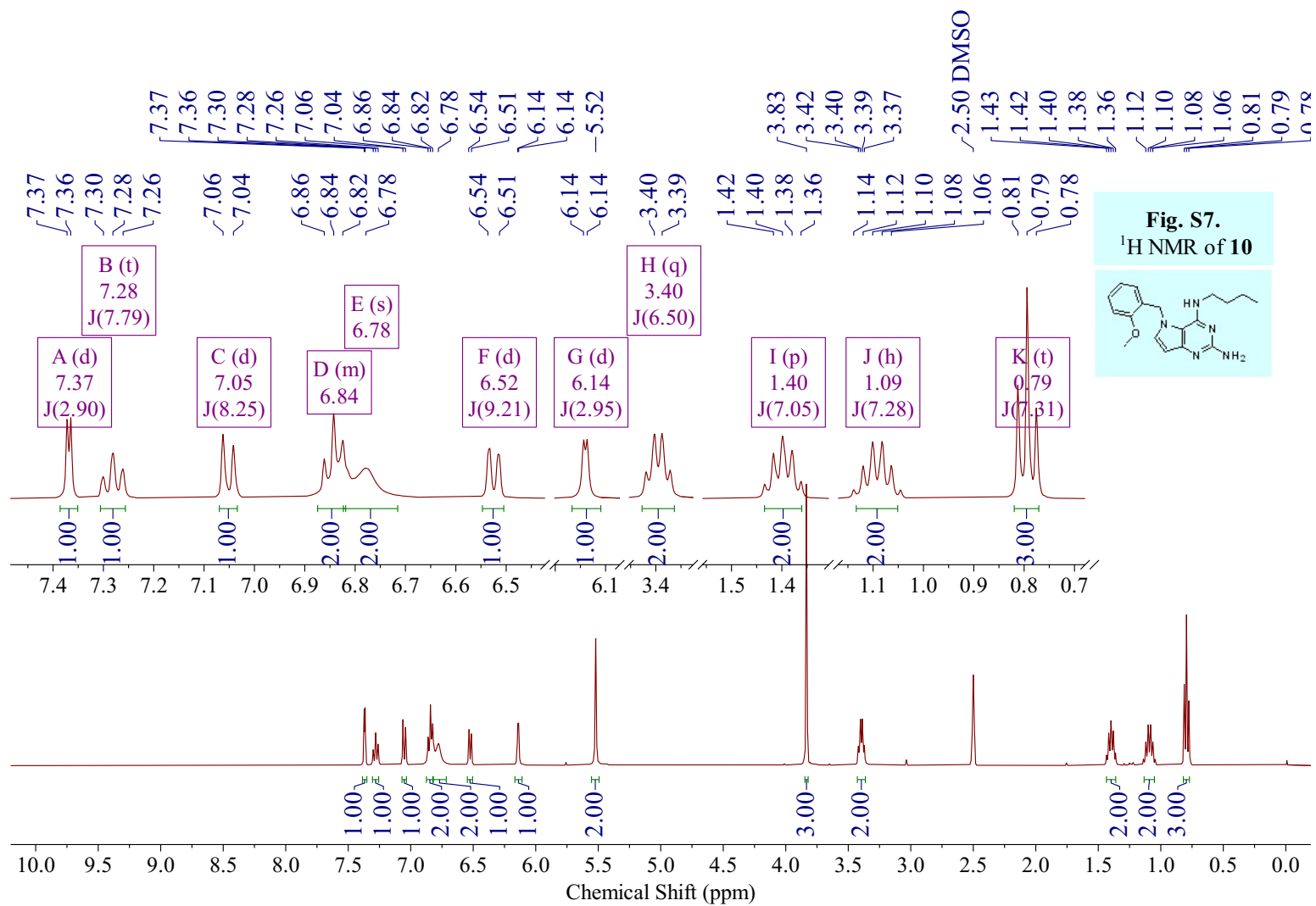
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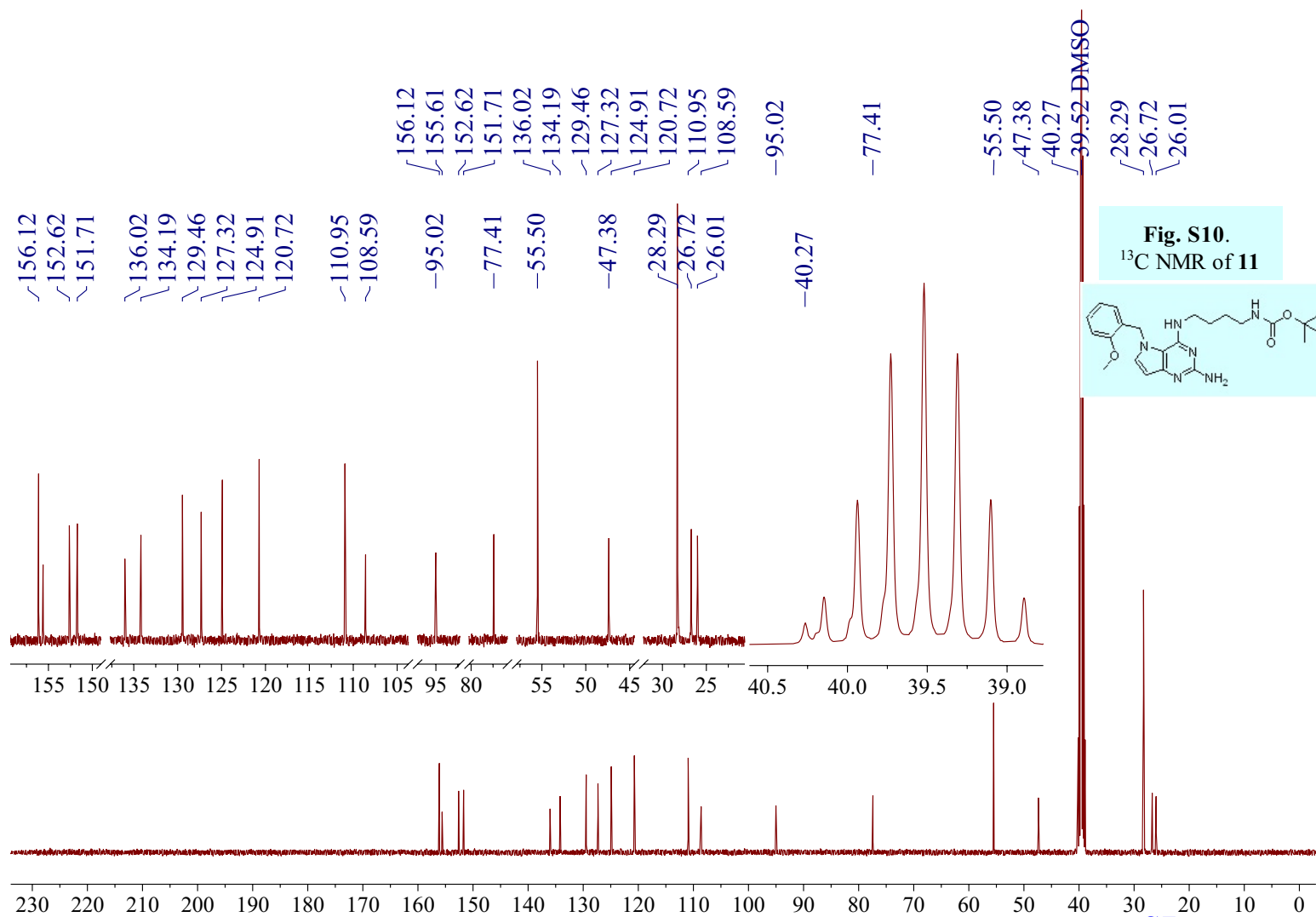
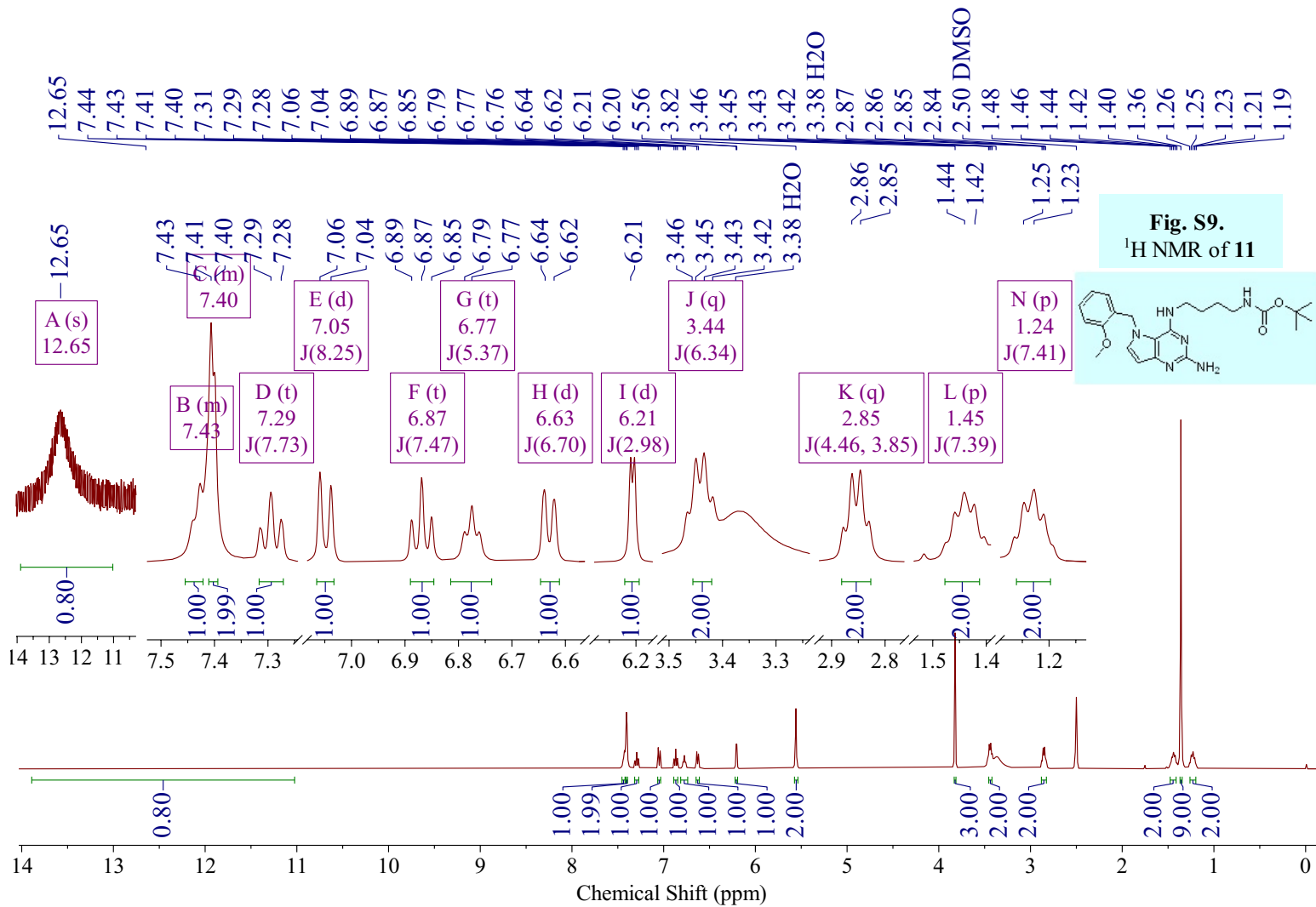
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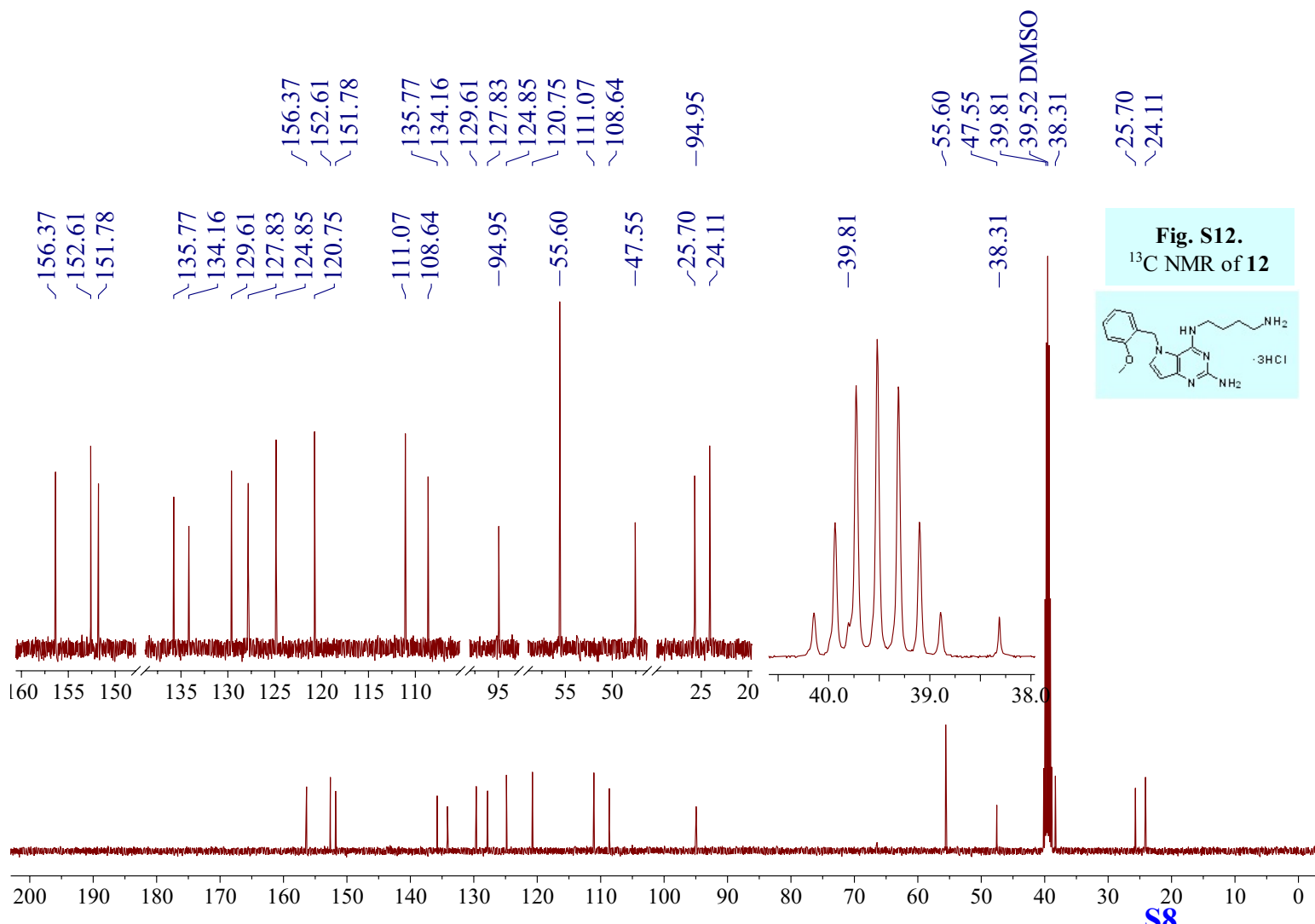
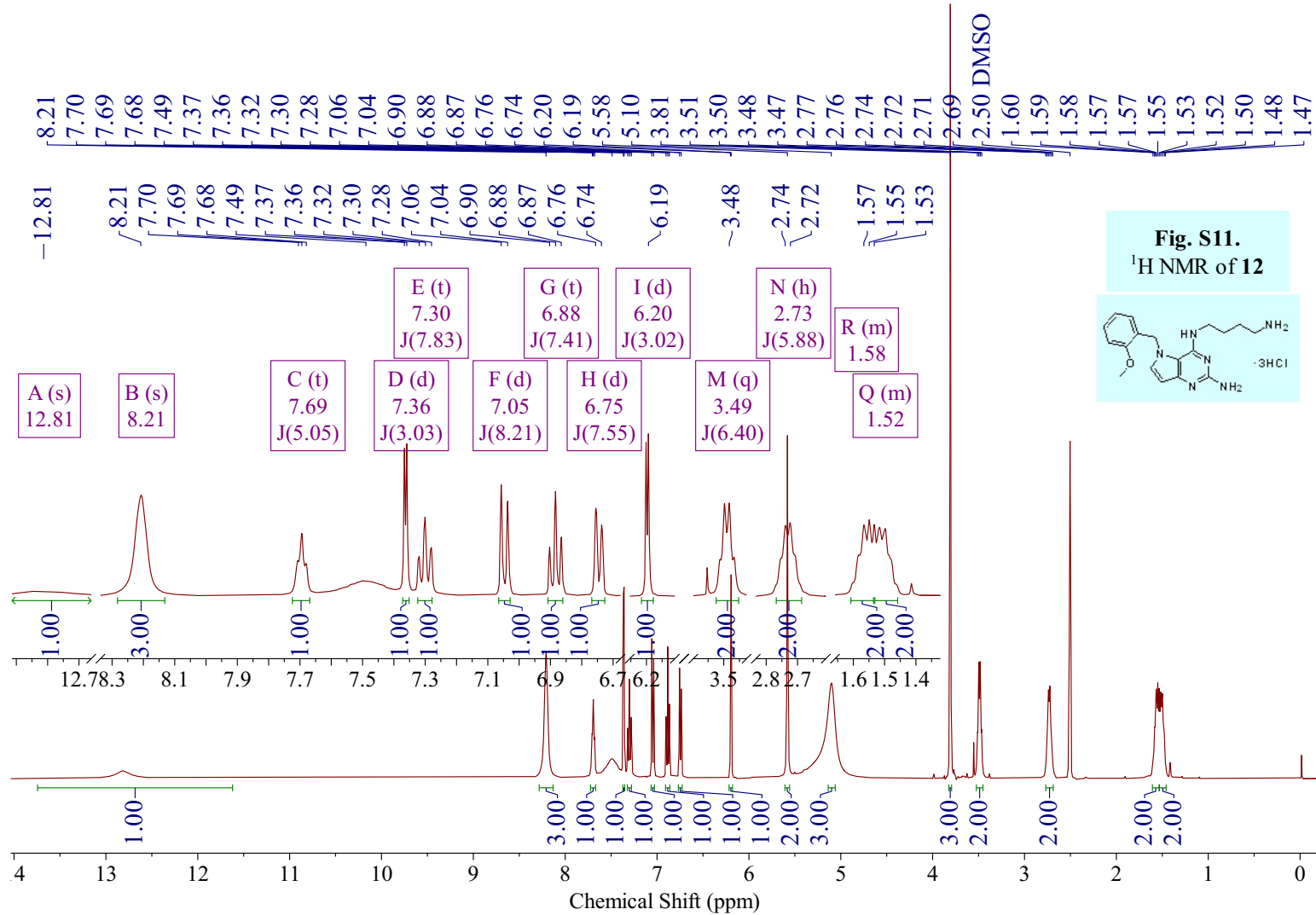


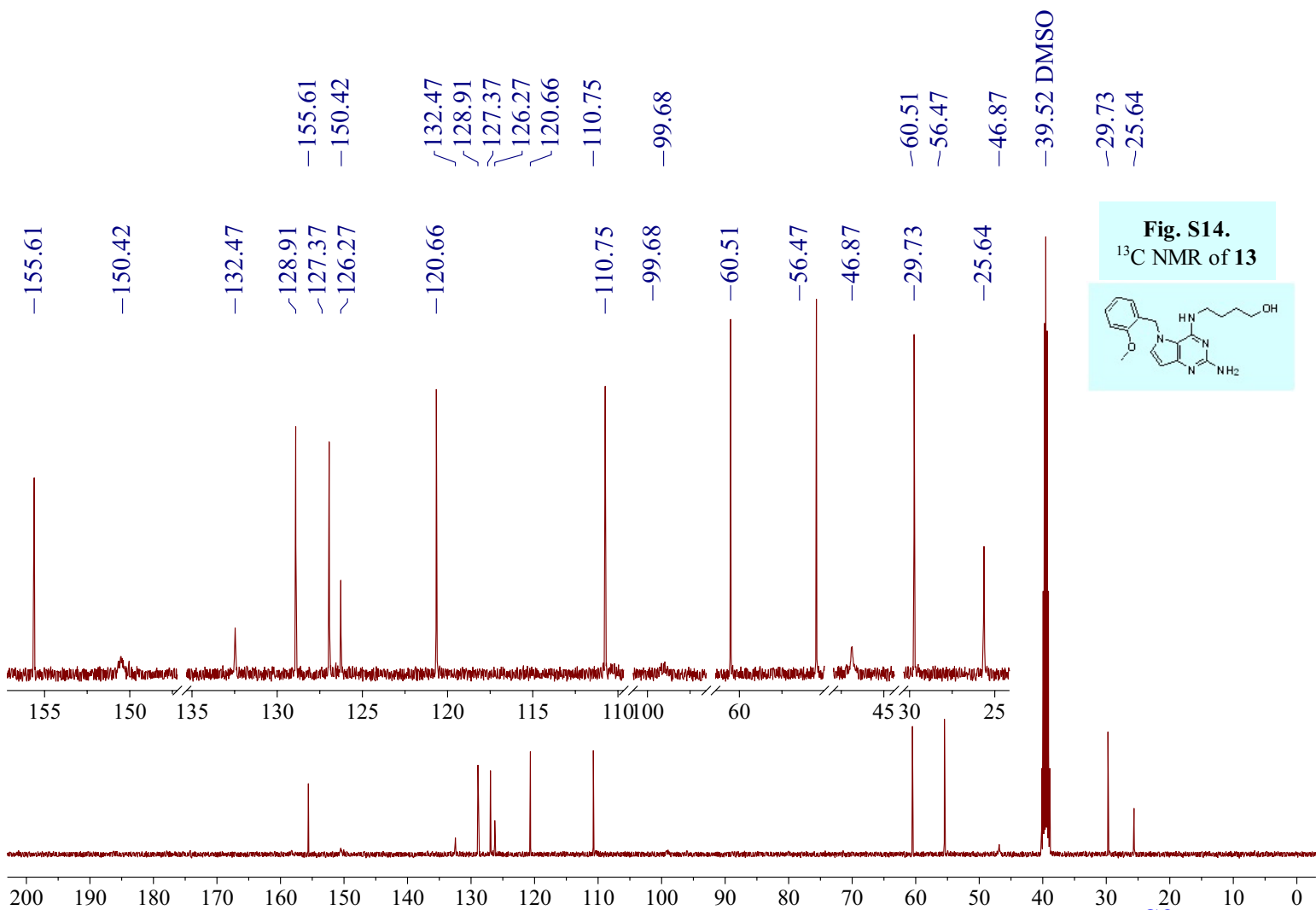
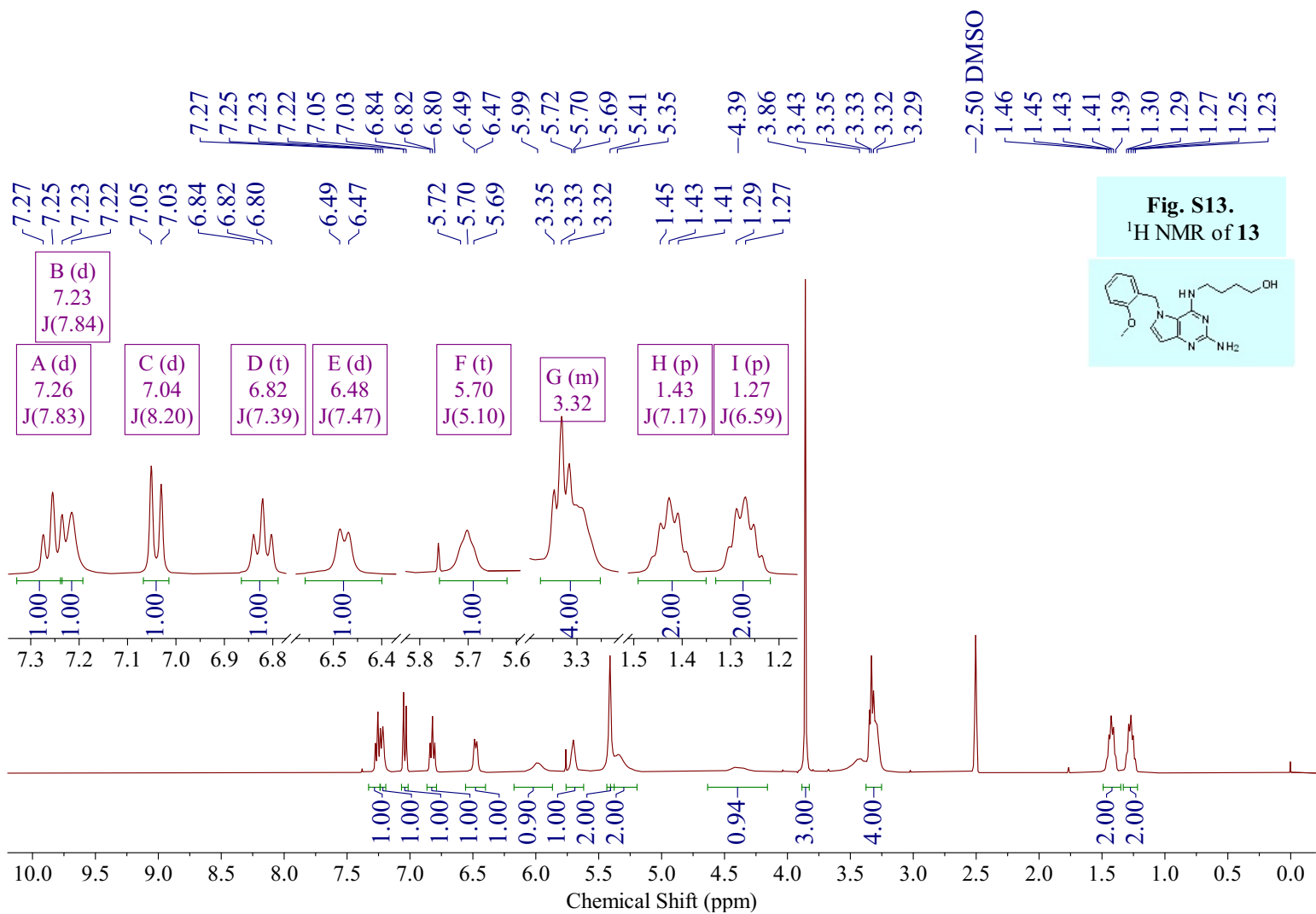


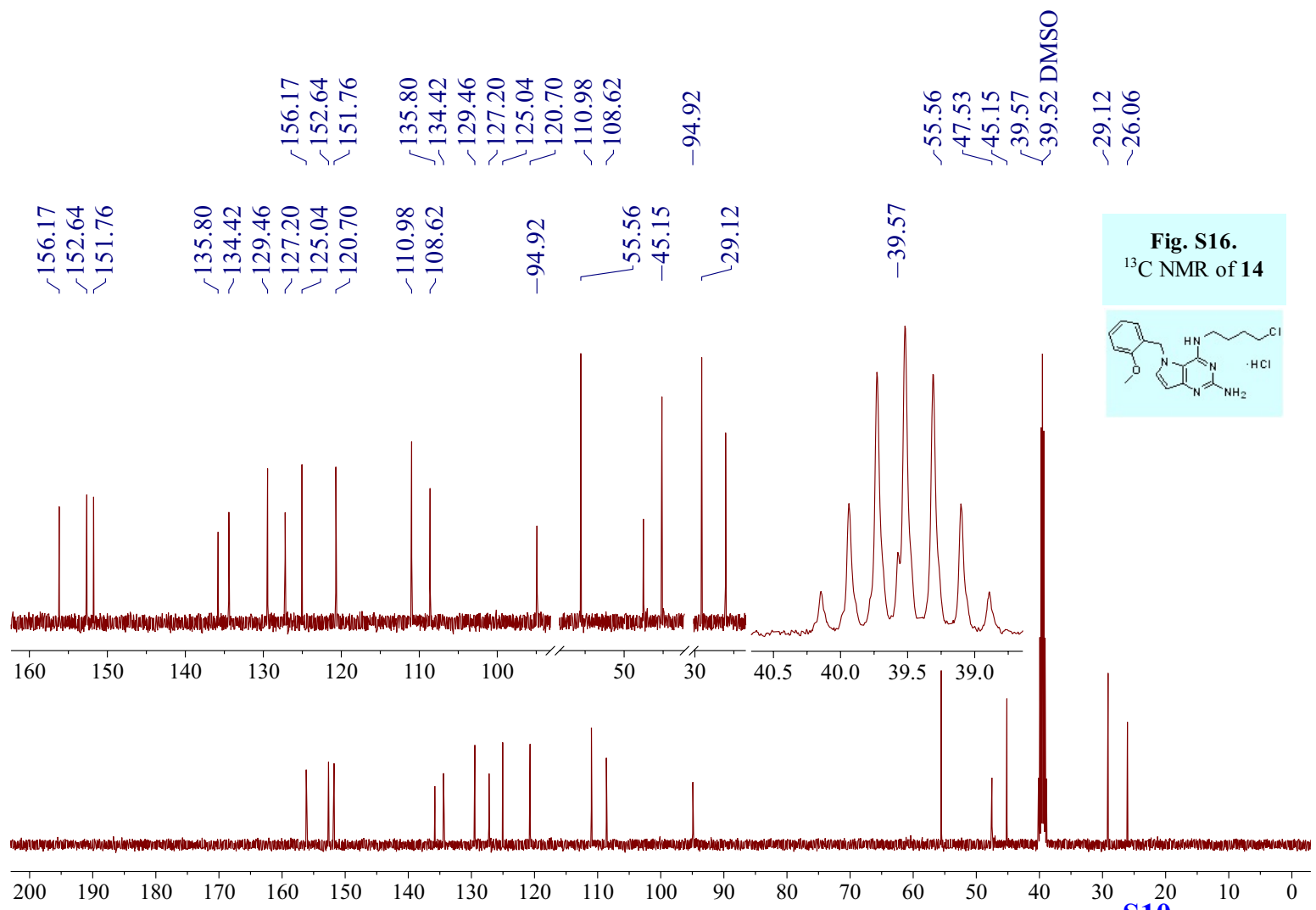
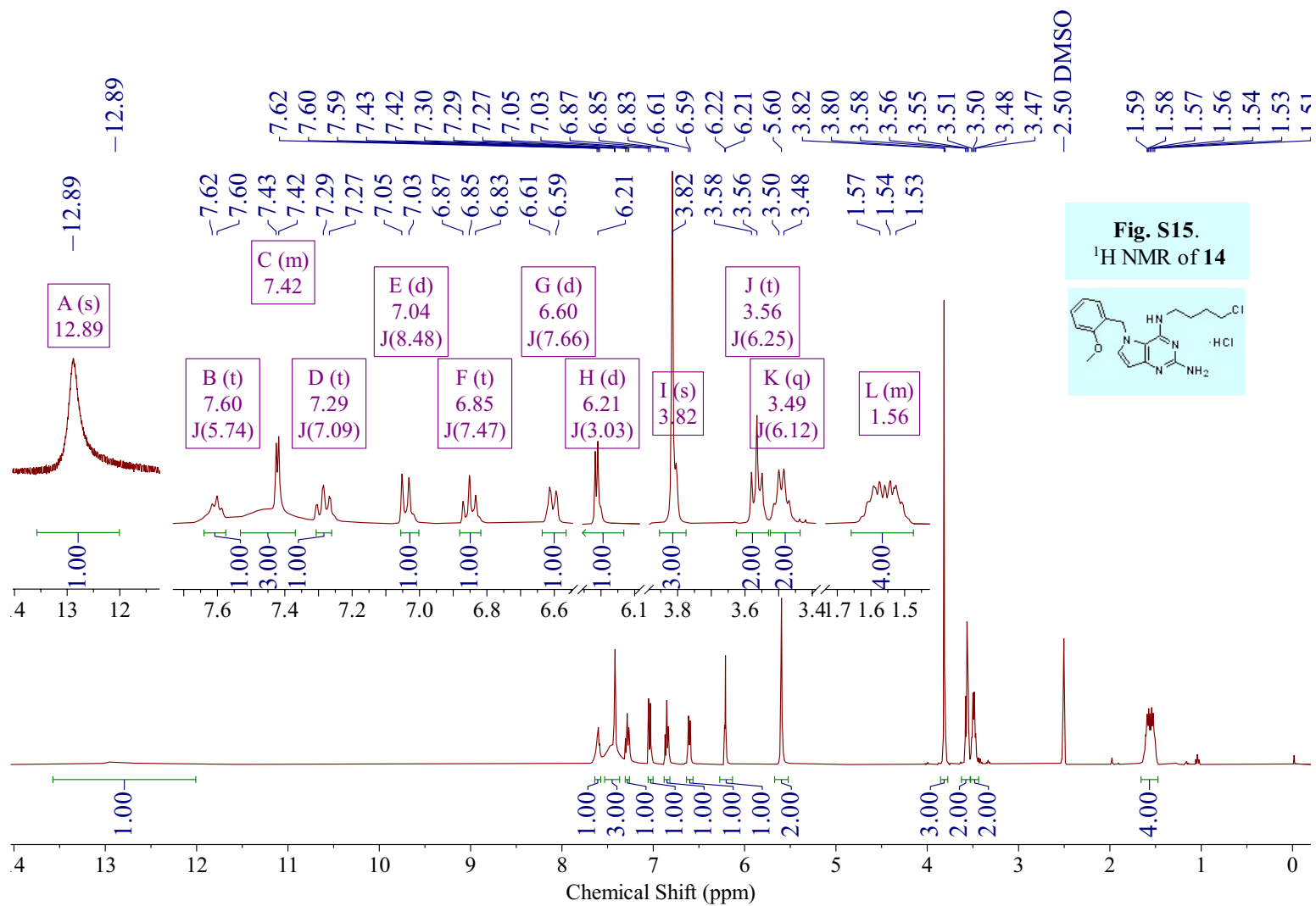












701 #11-70 RT: 0.10-0.65 AV: 30 NL: 3.73E9
T: FTMS + p ESI Full ms [200.00-500.00]

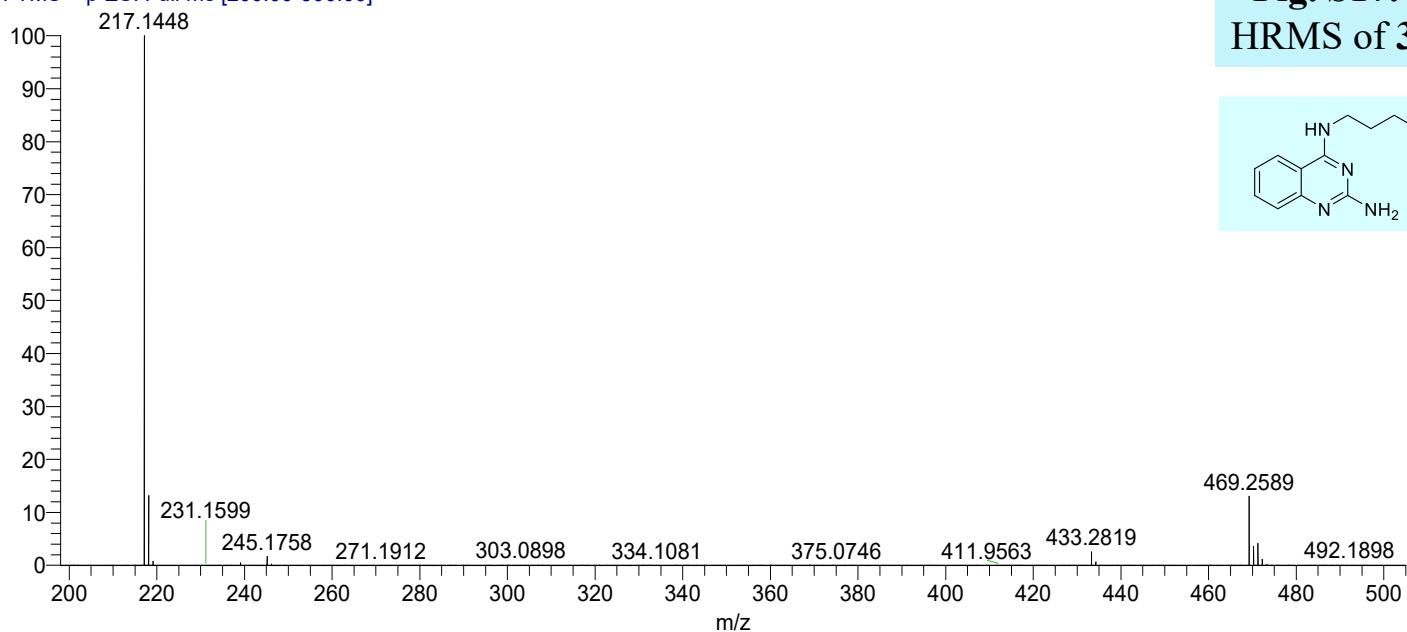
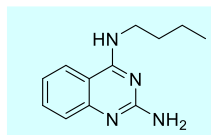


Fig. S17.
HRMS of **3**



HRMS (ESI) m/z [M+H]⁺ calculated for
C₁₂H₁₇N₄: 217.1453 found: 217.1448.

702 #20-74 RT: 0.19-0.68 AV: 27 NL: 4.24E9
T: FTMS + p ESI Full ms [200.00-500.00]

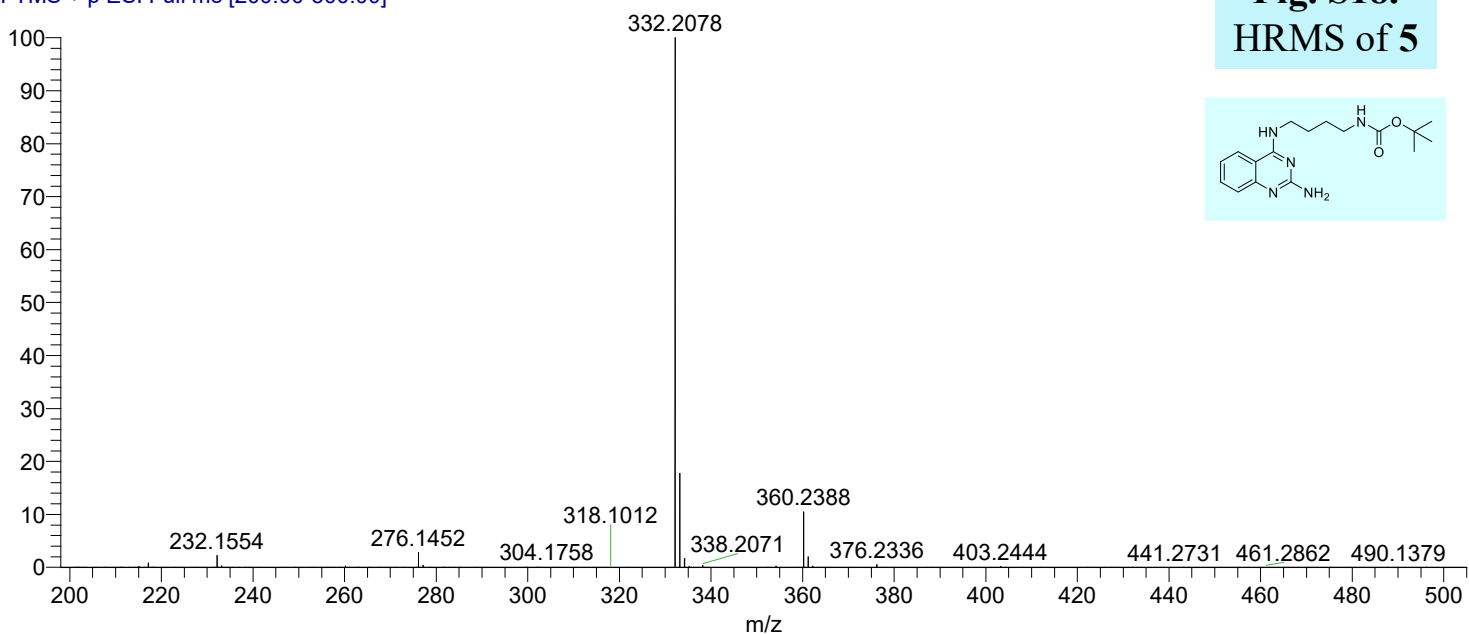
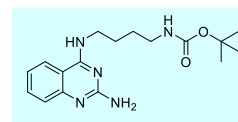


Fig. S18.
HRMS of **5**



HRMS (ESI) m/z [M+H]⁺ calculated for
C₁₇H₂₅N₅O₂: 332.2087 found: 332.2078.

703 #11-49 RT: 0.10-0.46 AV: 20 NL: 2.32E9
T: FTMS + p ESI Full ms [200.00-500.00]

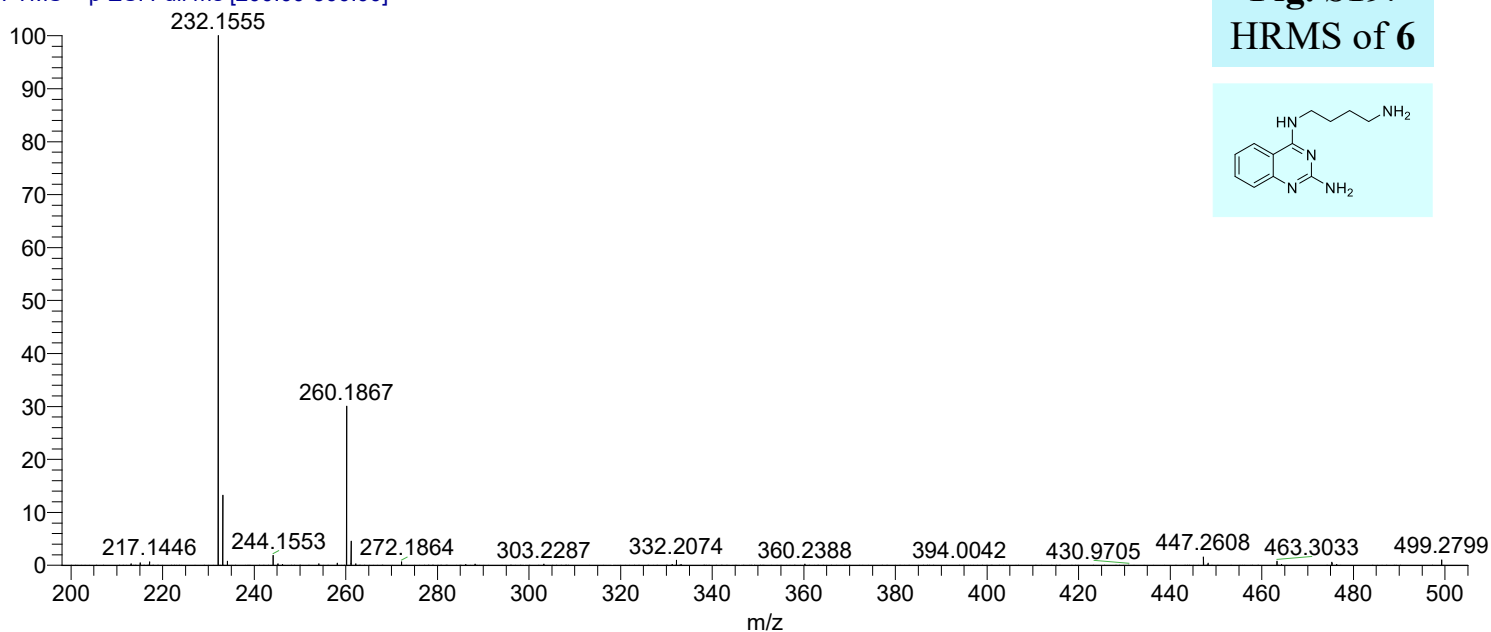
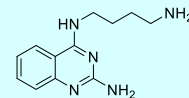


Fig. S19.
HRMS of **6**



HRMS (ESI) m/z [M+H]⁺ calculated for
C₁₂H₁₈N₅: 232.1562 found: 232.1555.

710 #20-60 RT: 0.19-0.55 AV: 20 NL: 4.41E9
T: FTMS + p ESI Full ms [200.00-500.00]

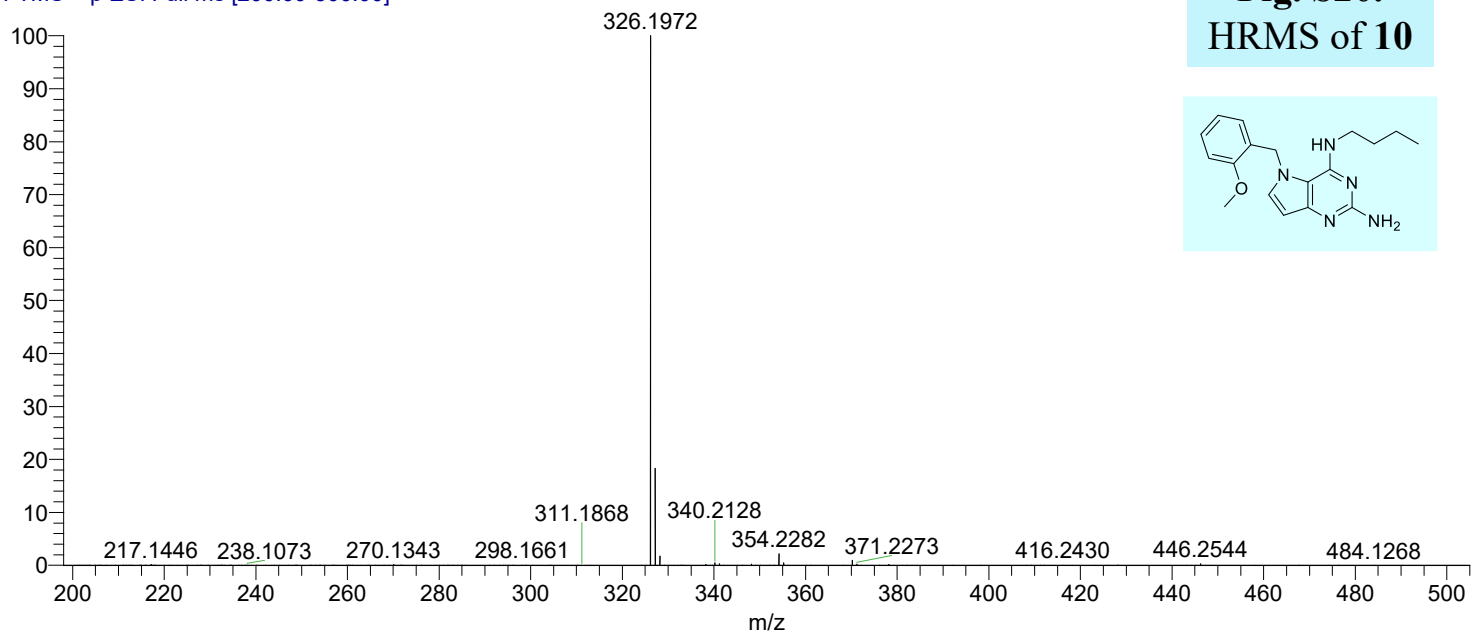
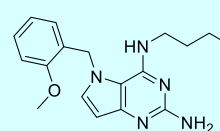
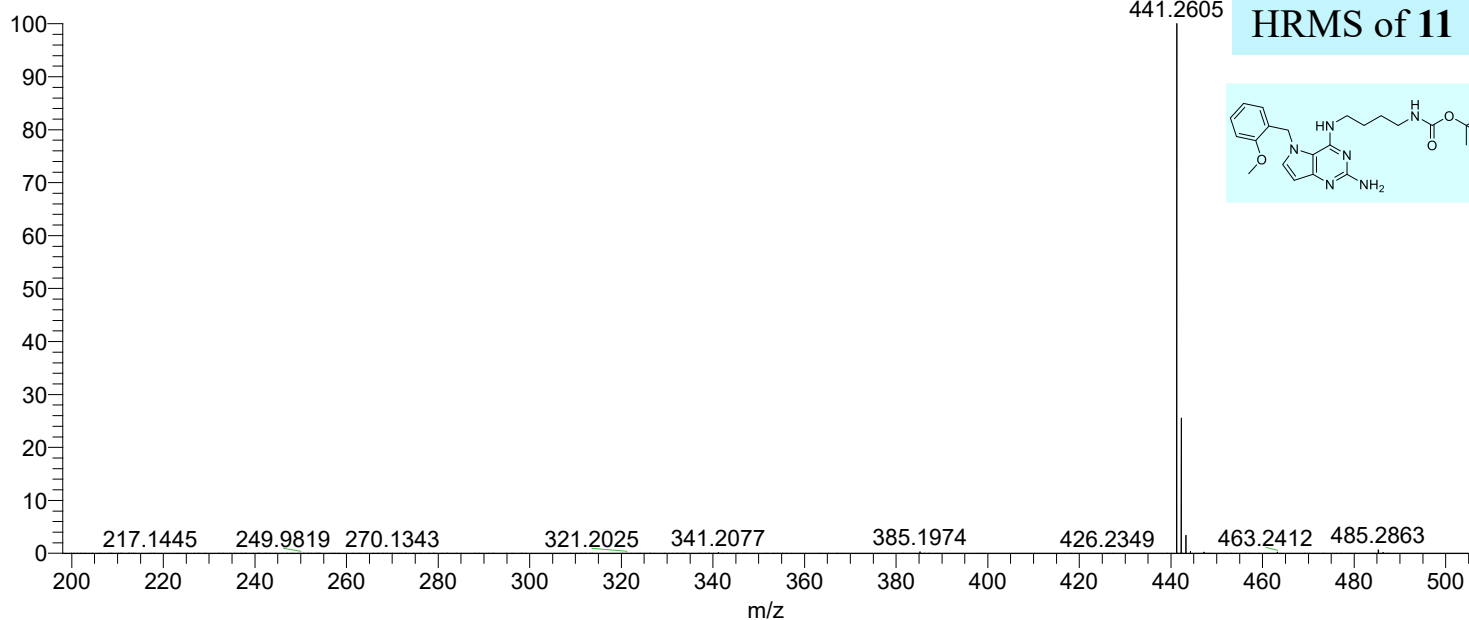


Fig. S20.
HRMS of **10**



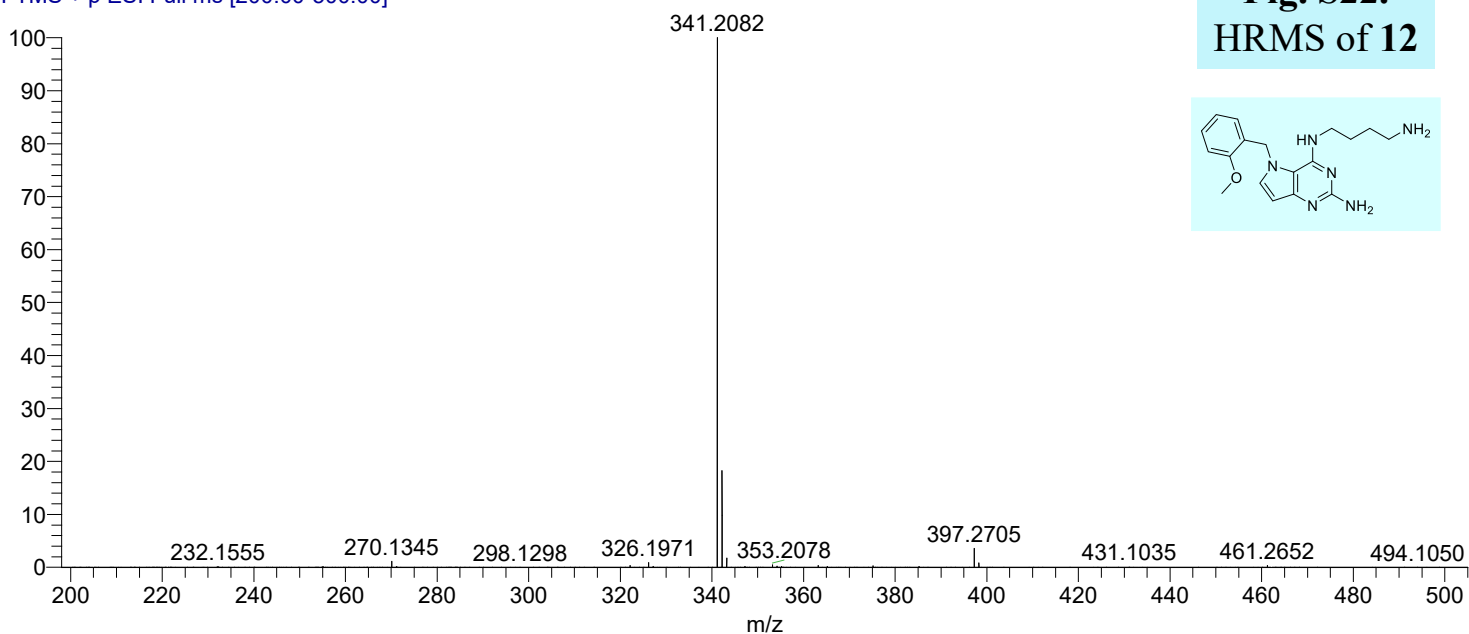
HRMS (ESI) m/z [M+H]⁺ calculated for
C₁₈H₂₄N₅O: 326.1975 found: 326.1972.

713 #20-50 RT: 0.19-0.46 AV: 15 NL: 4.71E9
T: FTMS + p ESI Full ms [200.00-500.00]



HRMS (ESI) m/z $[M+H]^+$ calculated for
 $C_{23}H_{33}N_6O_3$: 441.2614 found: 441.2605.

711 #22-58 RT: 0.21-0.53 AV: 18 NL: 3.11E9
T: FTMS + p ESI Full ms [200.00-500.00]



HRMS (ESI) m/z $[M+H]^+$ calculated for
 $C_{18}H_{25}N_6O$: 341.2090 found: 341.2082.

714 #10-70 RT: 0.10-0.65 AV: 30 NL: 2.82E9
T: FTMS + p ESI Full ms [200.00-500.00]

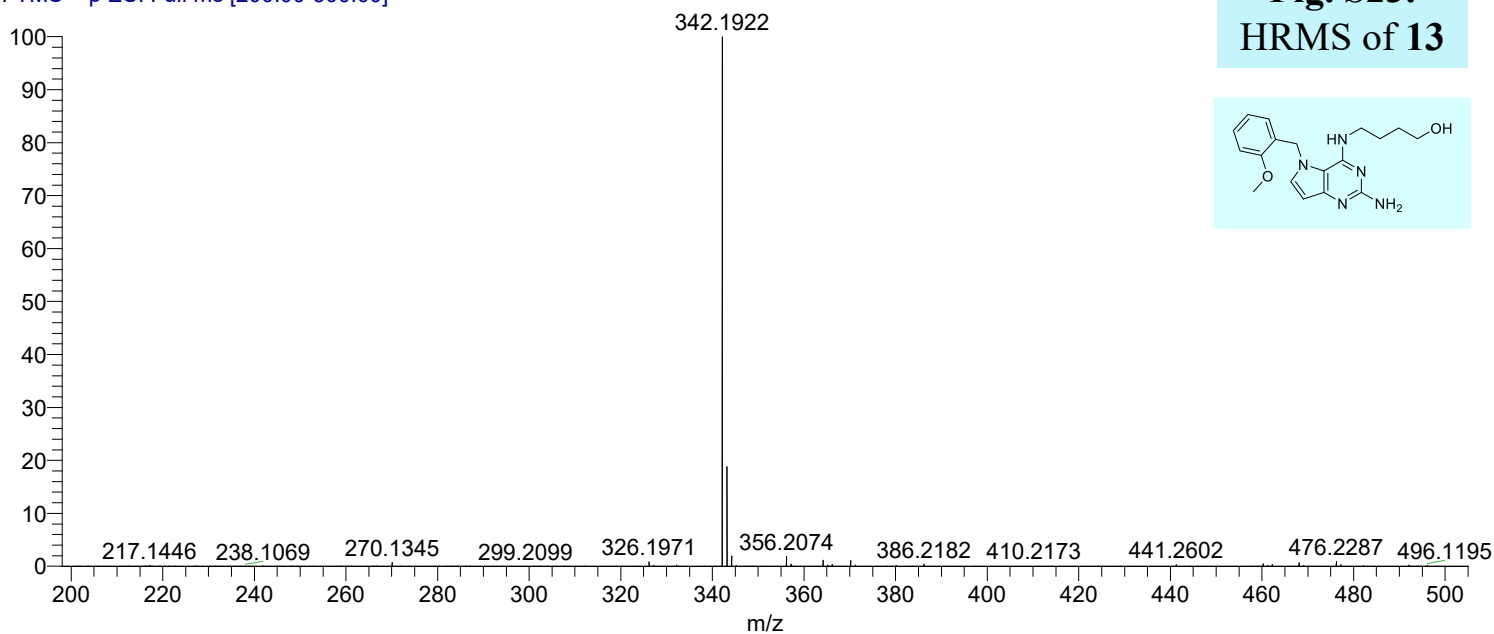
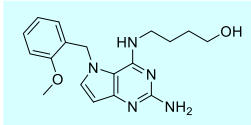


Fig. S23.
HRMS of 13



HRMS (ESI) m/z [M+H]⁺ calculated for
C₁₈H₂₄N₅O₂: 342.1930 found: 342.1922.

715 #11-66 RT: 0.10-0.61 AV: 28 NL: 2.48E9
T: FTMS + p ESI Full ms [200.00-500.00]

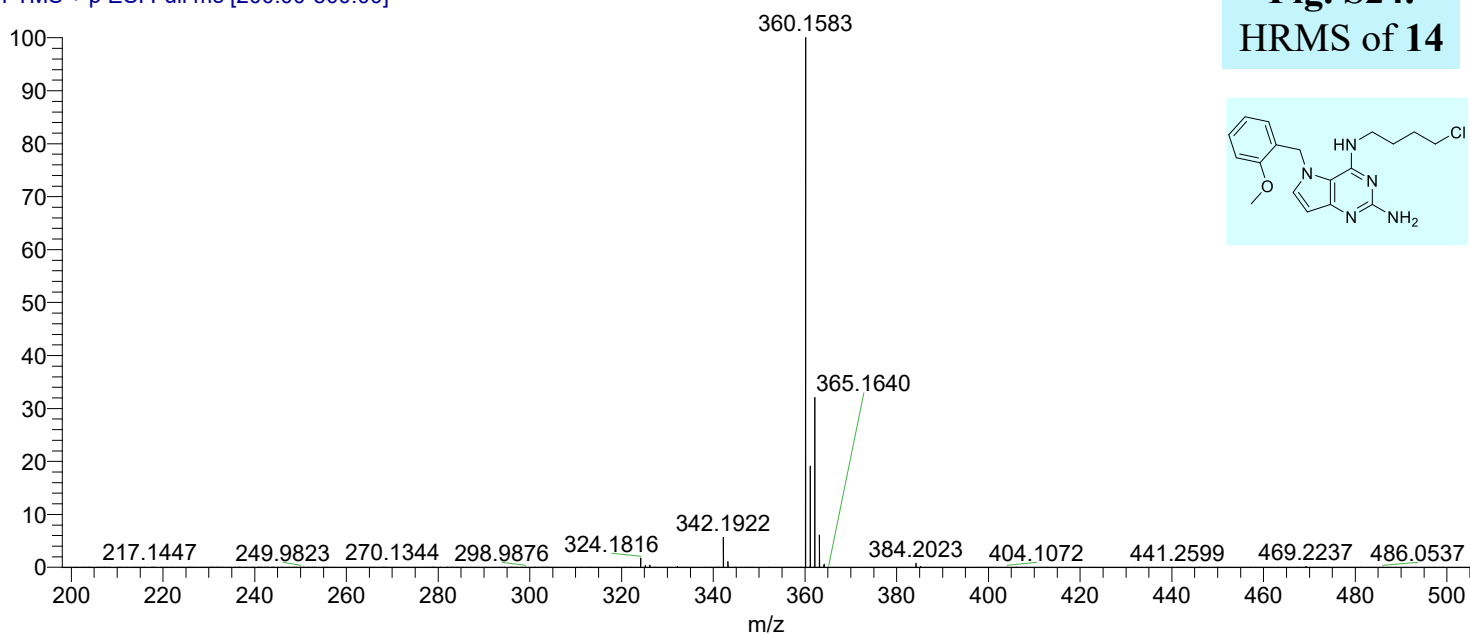
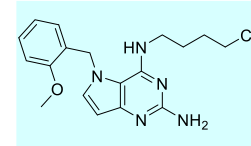


Fig. S24.
HRMS of 14



HRMS (ESI) m/z [M+H]⁺ calculated for
C₁₈H₂₃ClN₅O: 360.1591 found: 360.1583.