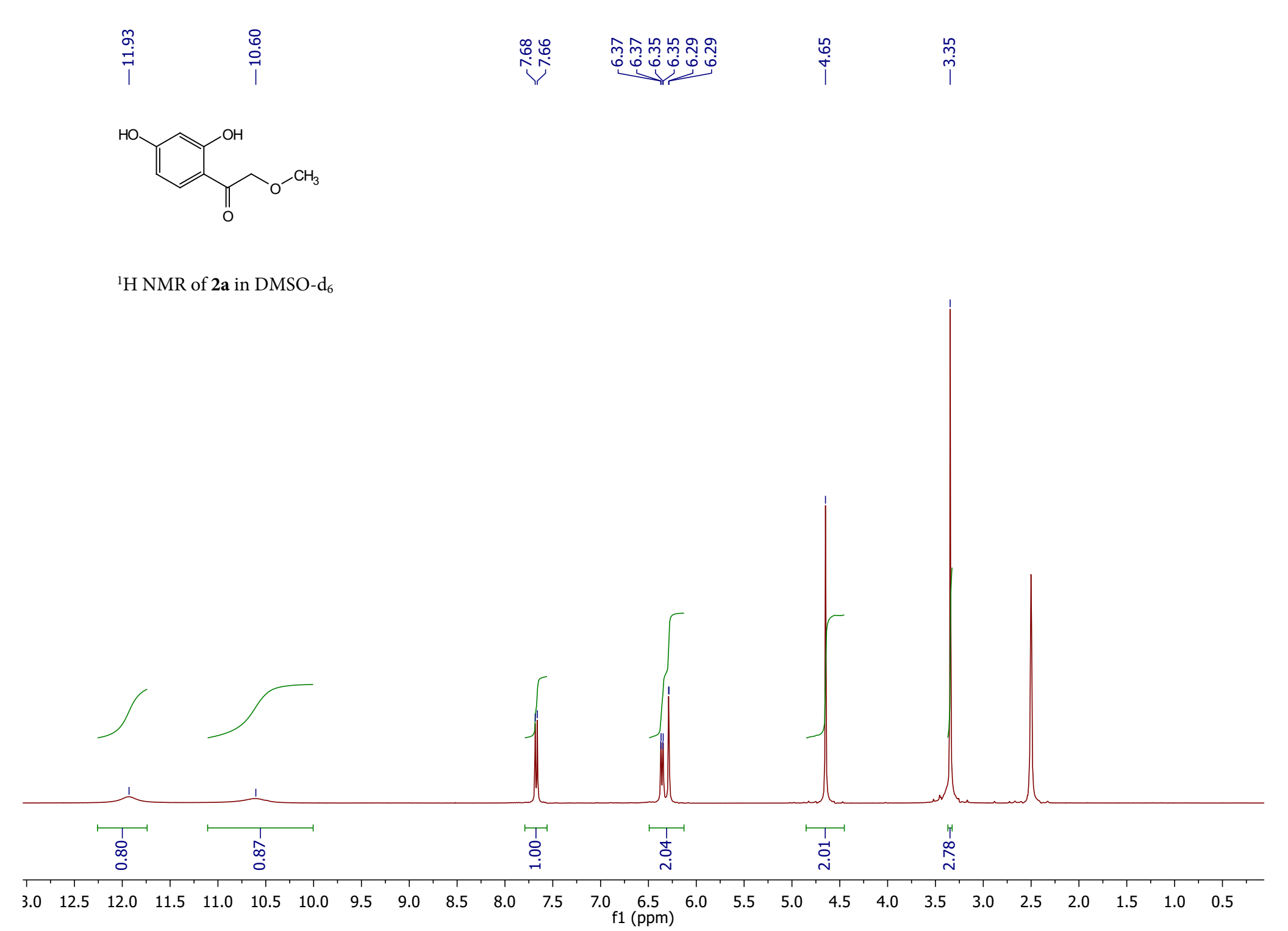
SYNTHESIS OF 2-TRIFLUOROACETONYL-3-ALKYL/ALKOXY-CHROMONES AND THEIR REACTIONS WITH 1,2-BIDENTATE NUCLEOPHILES

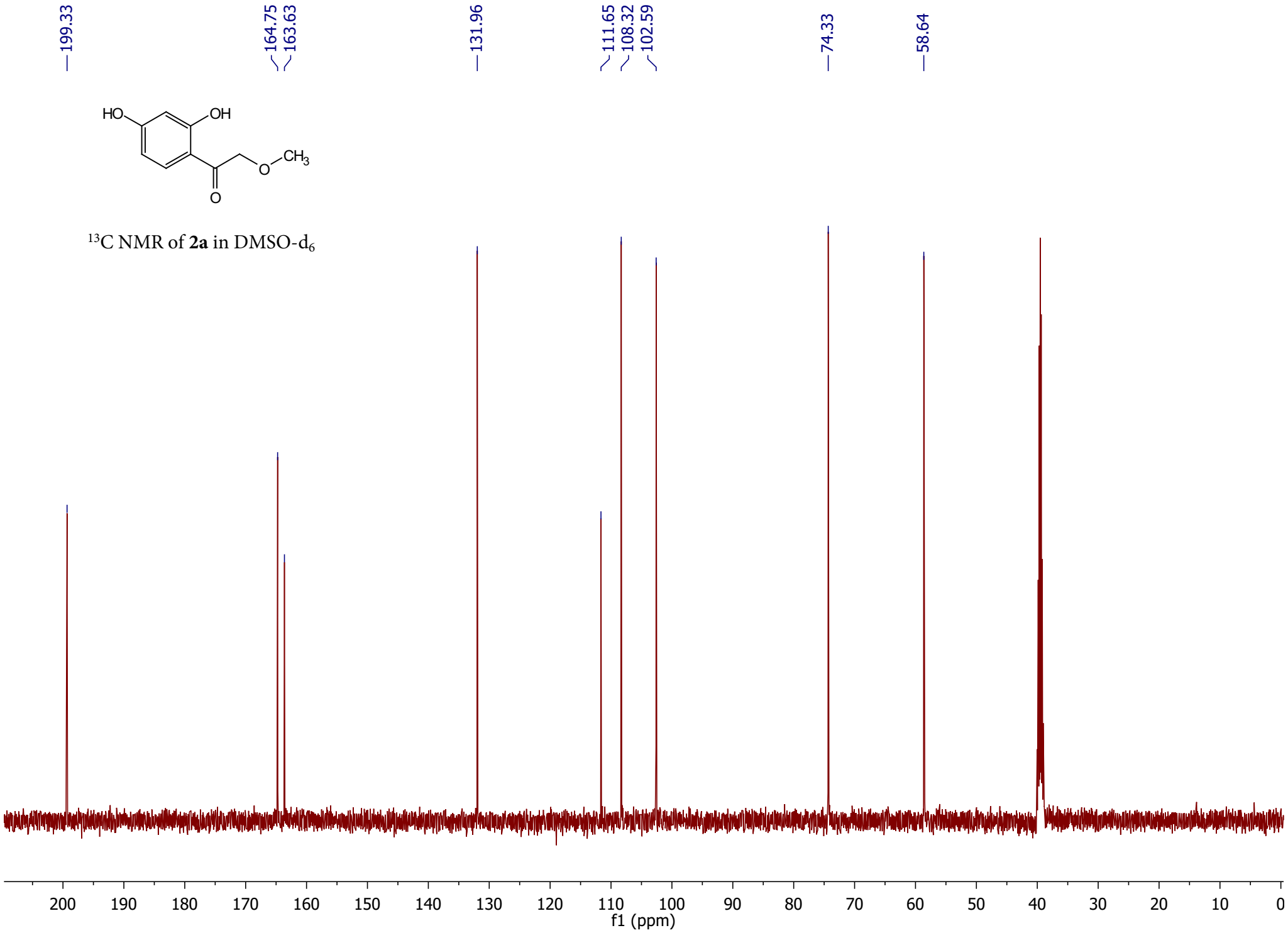
Iryna M. Biletska,[1] Galyna P. Mrug,[1] Yaroslav O. Prostota,[1] Kostyantyn M. Kondratyuk,[1] Svitlana P. Bondarenko,[2] and Mykhaylo S. Frasinyuk[1]*

[1]V. P. Kukhar Institute of Bioorganic Chemistry and Petrochemistry of National Academy of Science of Ukraine, Kyiv 02094, Ukraine, Email: mykhaylo.frasinyuk@ukr.net; [2]National University of Food Technologies, Kyiv 01601, Ukraine

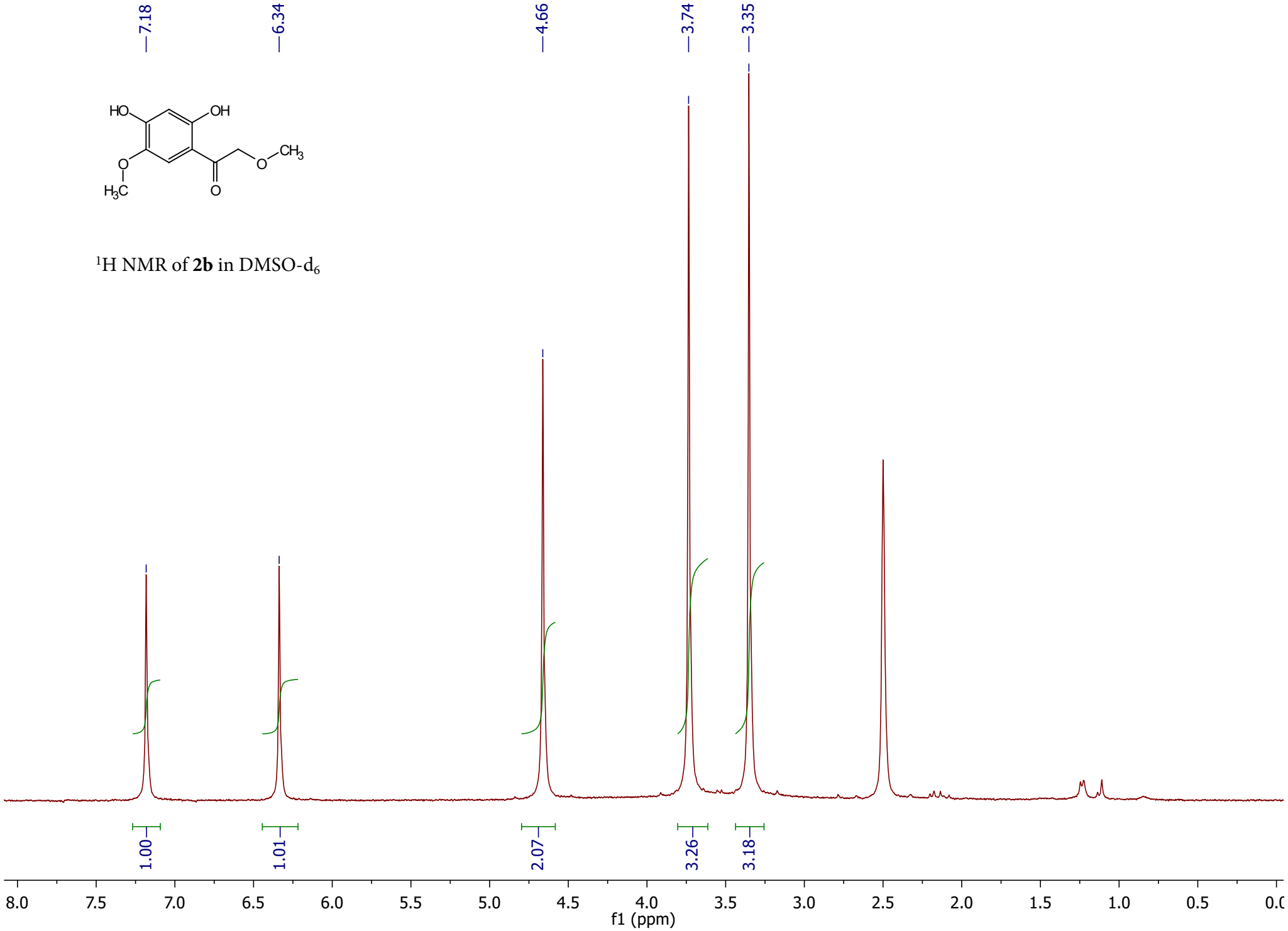
SUPPORTING INFORMATION



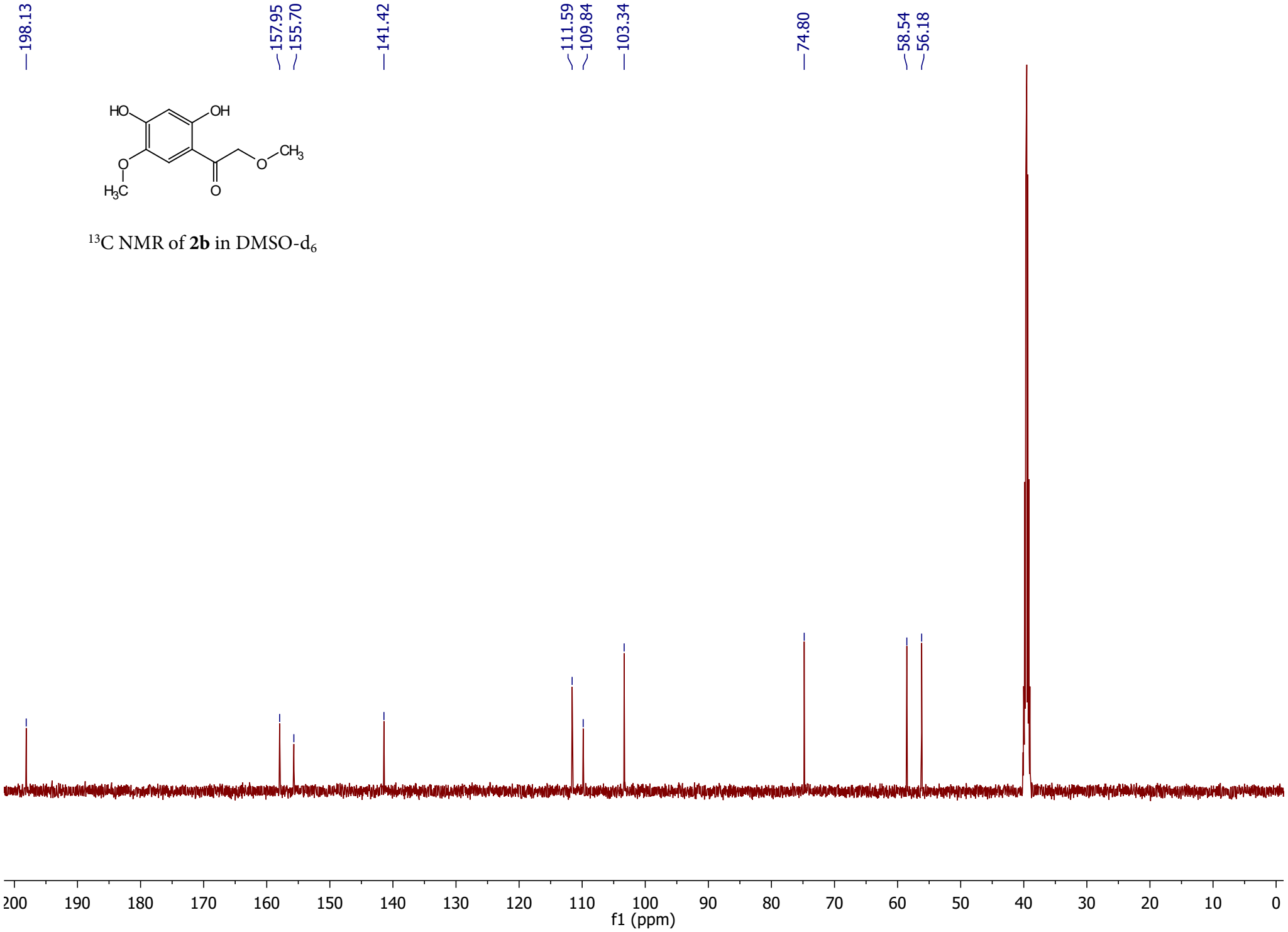
^{1}H NMR of **2a** in DMSO-d_6



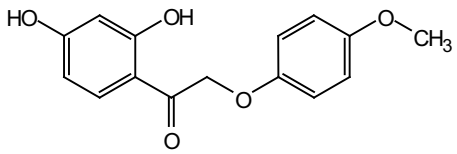
^{13}C NMR of **2a** in DMSO-d_6



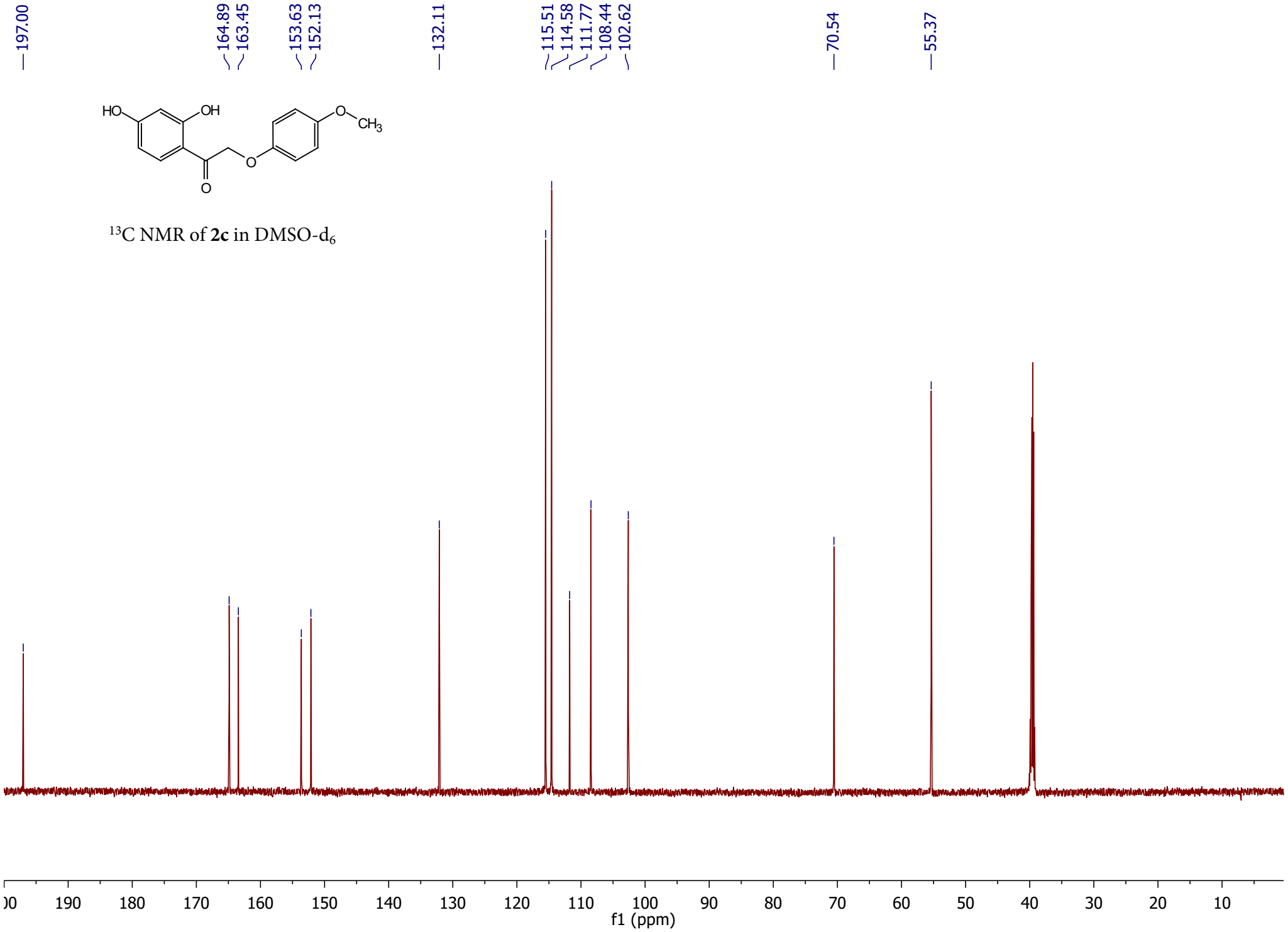
^{1}H NMR of **2b** in DMSO-d_6



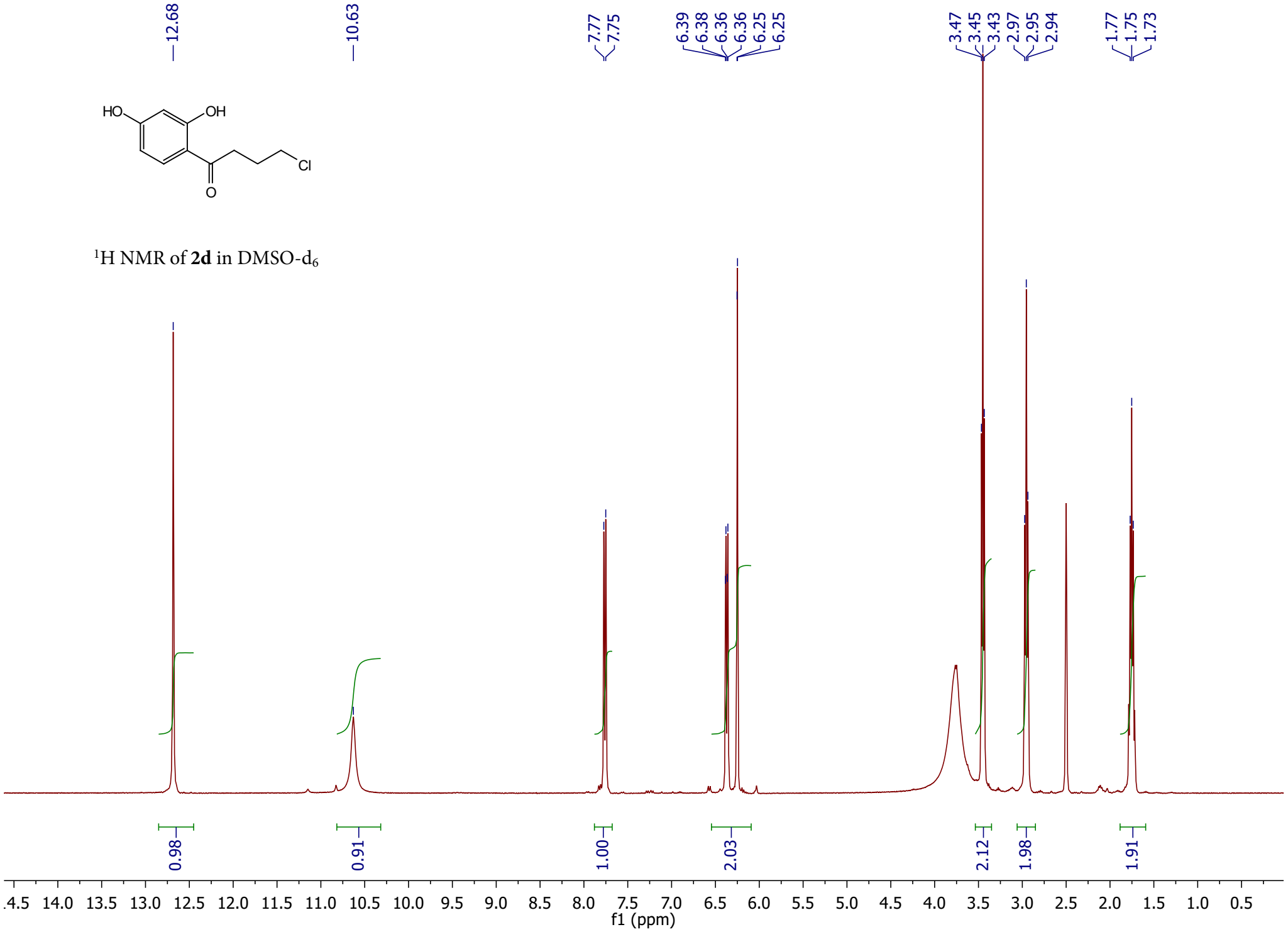
^{13}C NMR of **2b** in DMSO-d_6



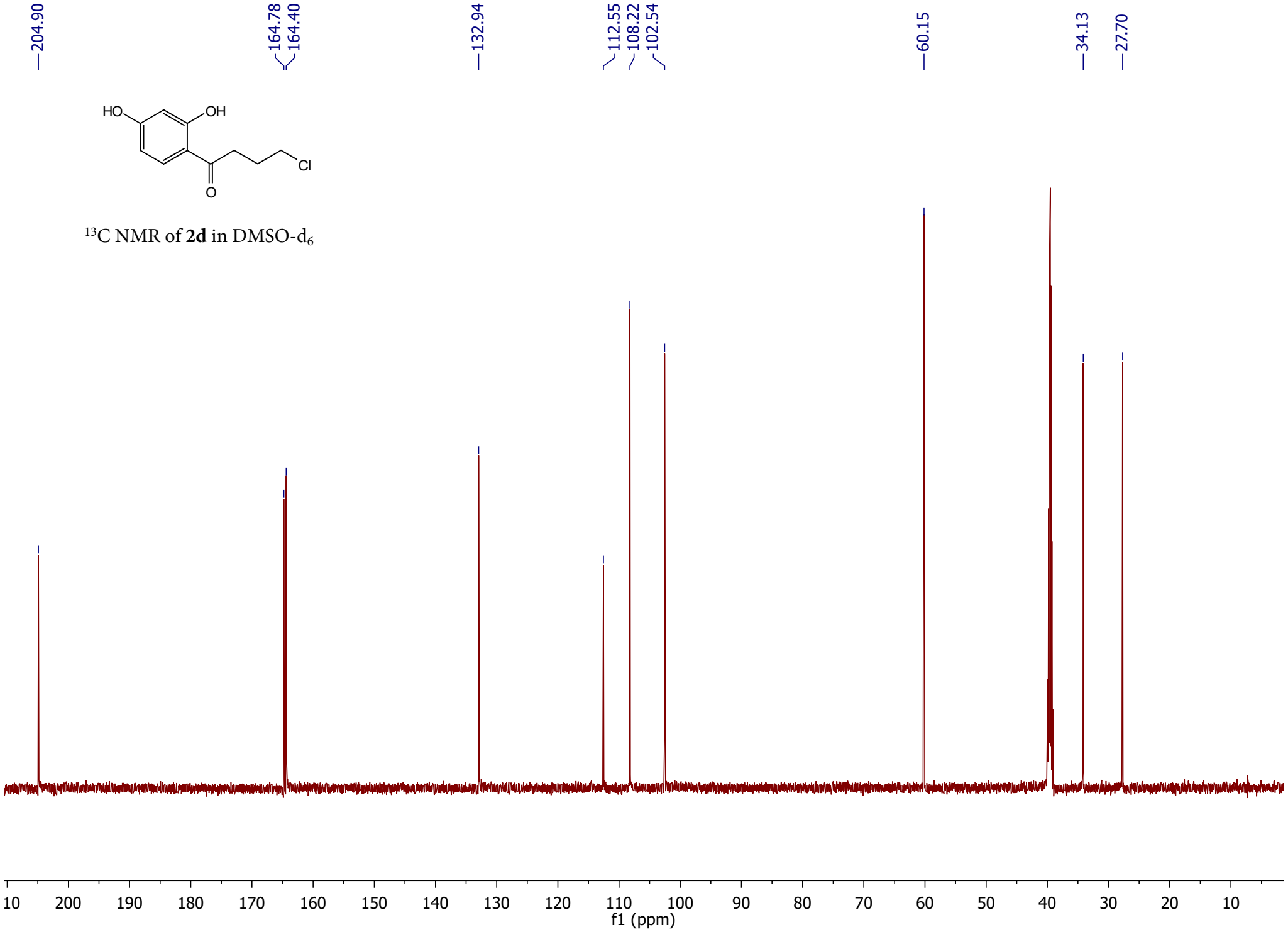
^{1}H NMR of **2c** in DMSO-d_6



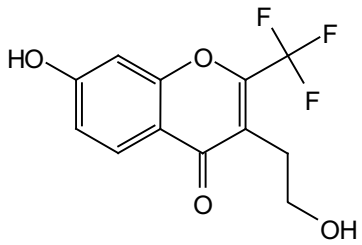
^{13}C NMR of **2c** in DMSO-d_6



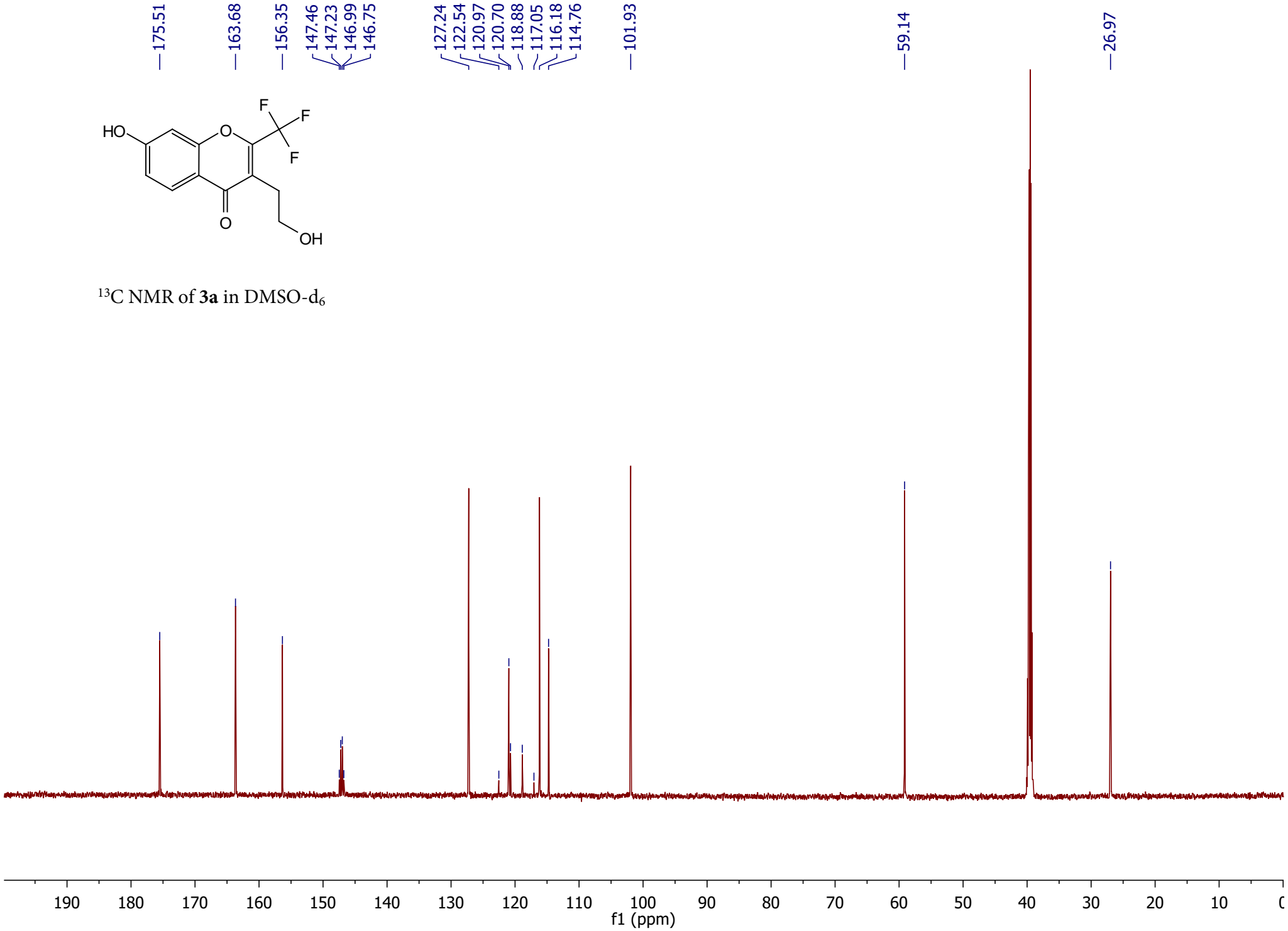
^{1}H NMR of **2d** in DMSO-d_6



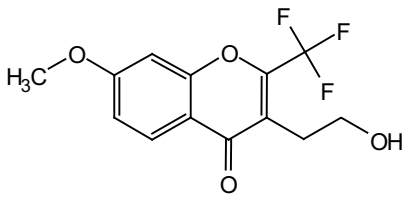
^{13}C NMR of **2d** in DMSO-d_6



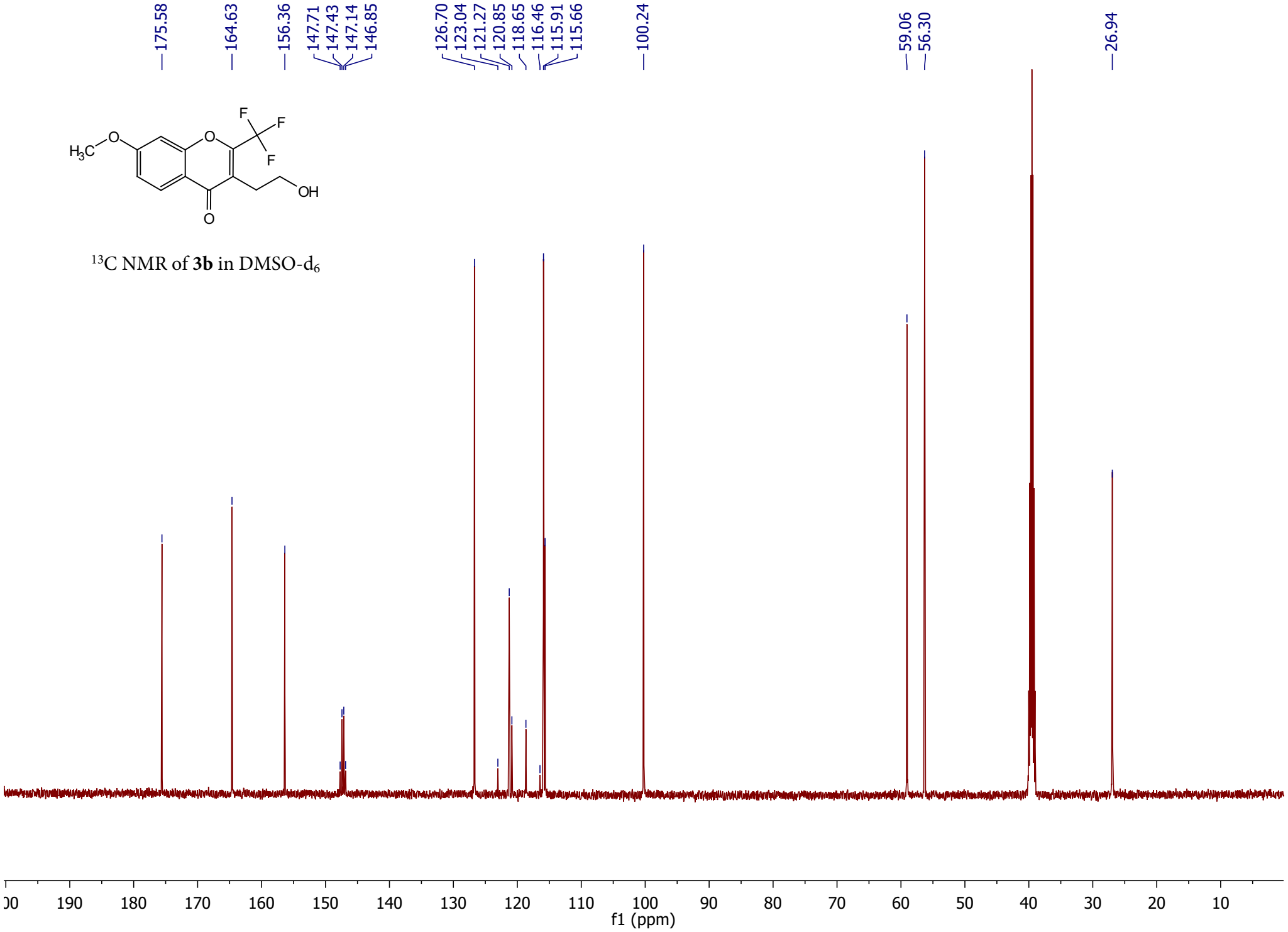
^{1}H NMR of **3a** in DMSO-d_6



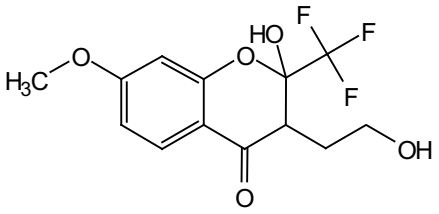
^{13}C NMR of **3a** in DMSO-d_6



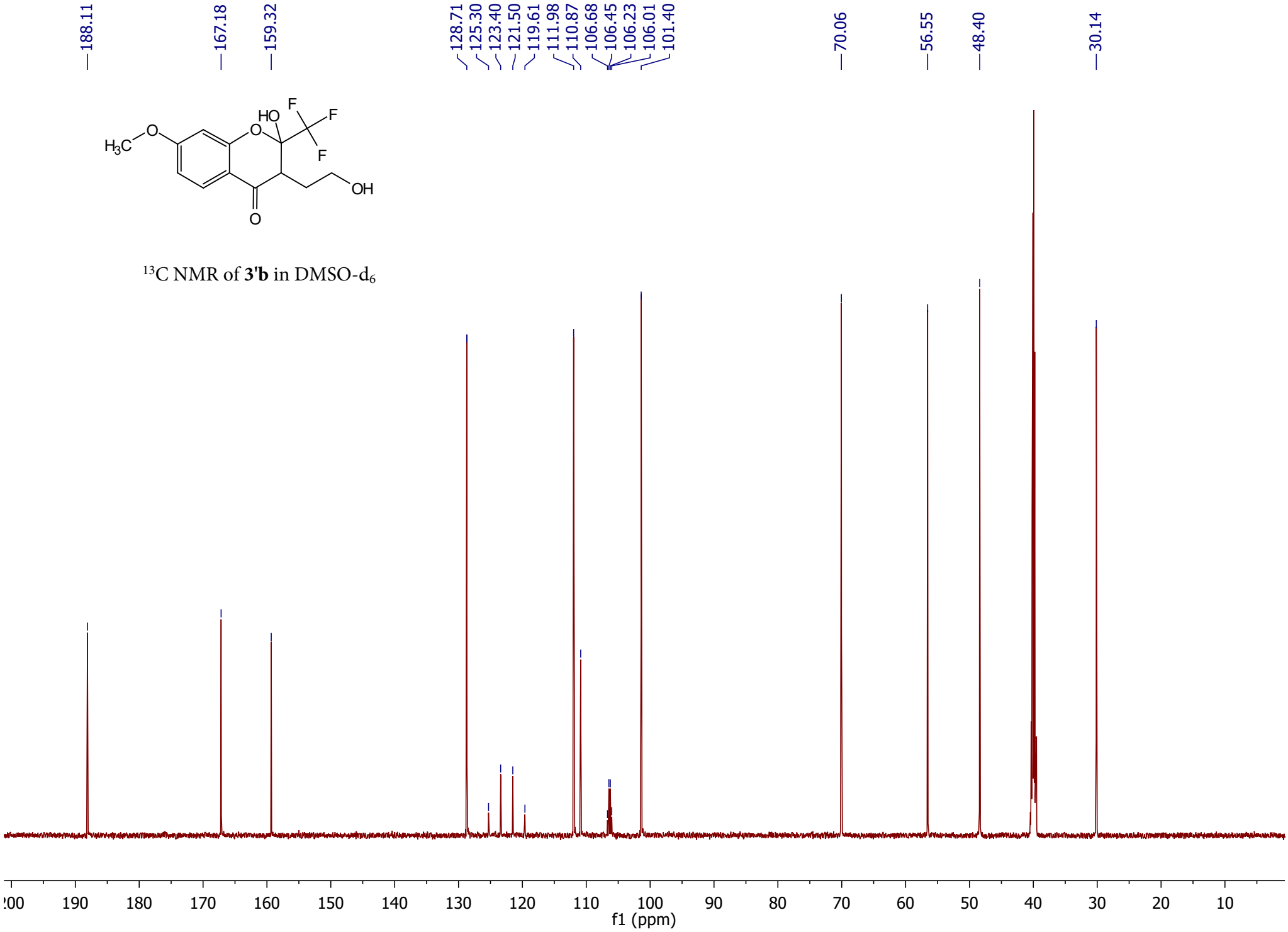
^{1}H NMR of **3b** in DMSO-d_6



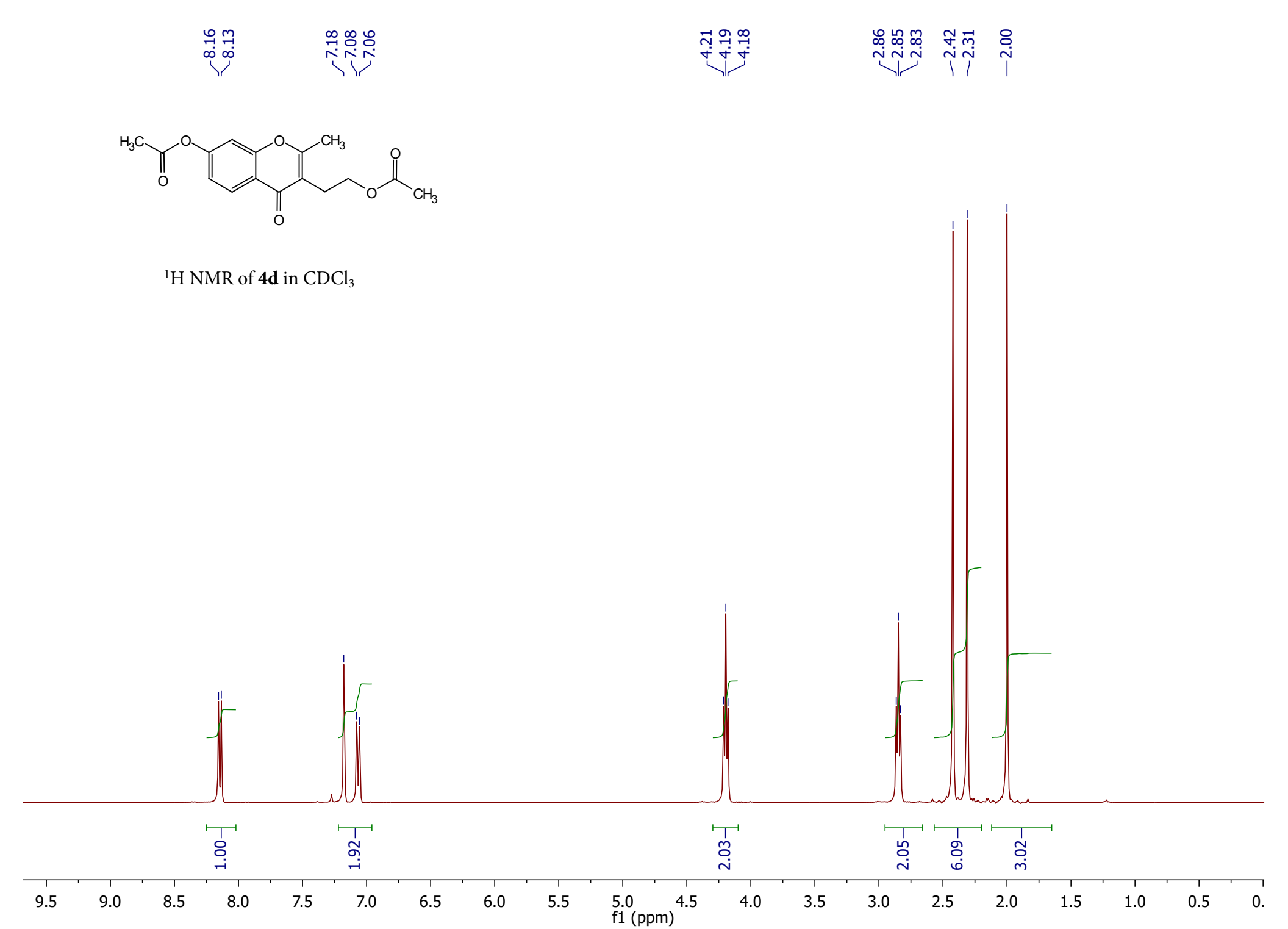
^{13}C NMR of **3b** in DMSO-d_6



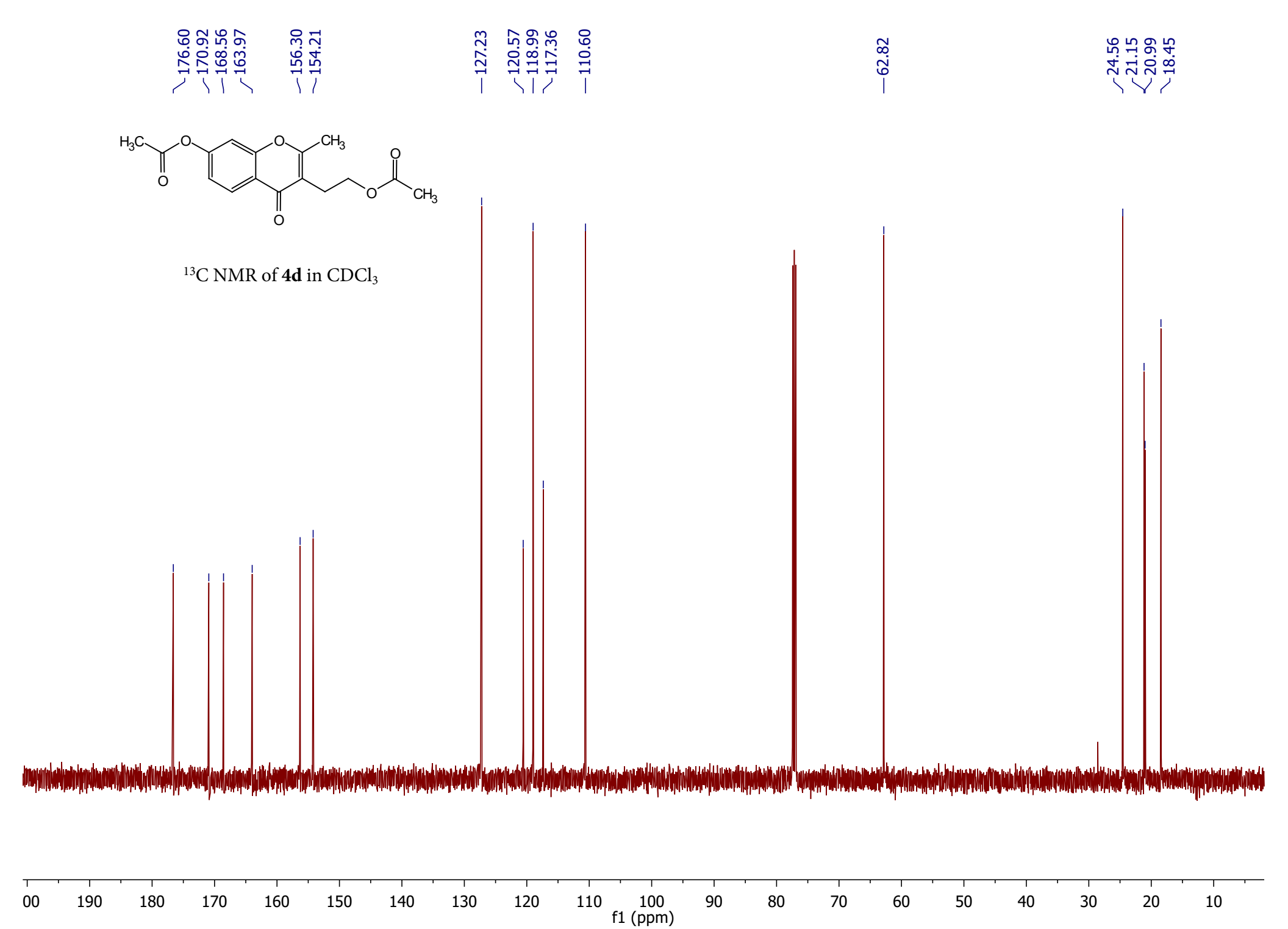
^{1}H NMR of **3'b** in DMSO-d_6



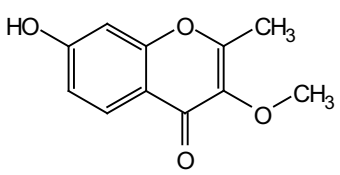
^{13}C NMR of **3'b** in DMSO-d_6



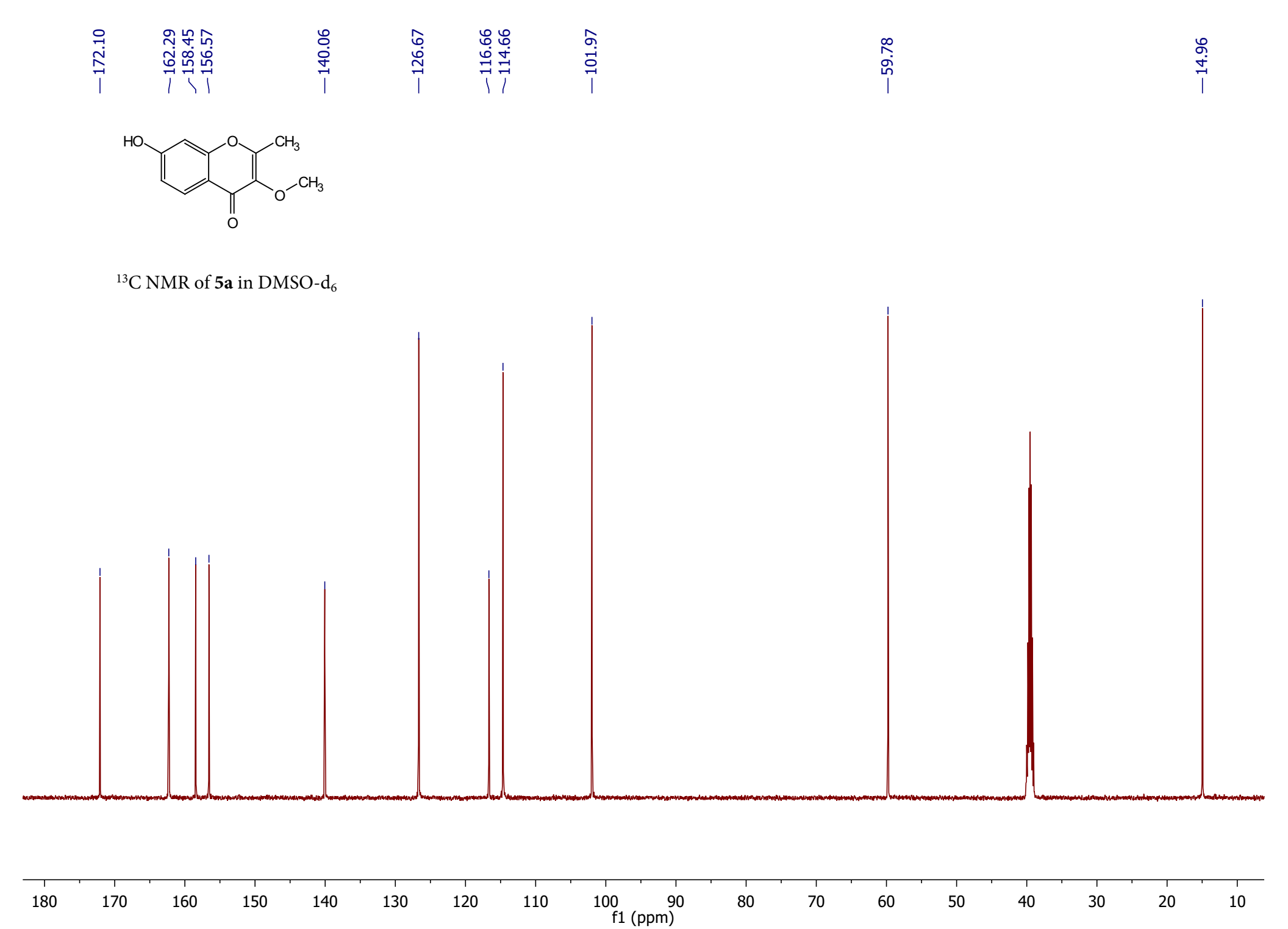
^{1}H NMR of **4d** in $CDCl_3$



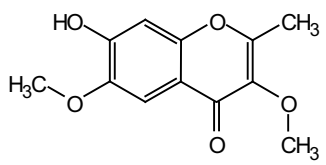
^{13}C NMR of **4d** in $CDCl_3$



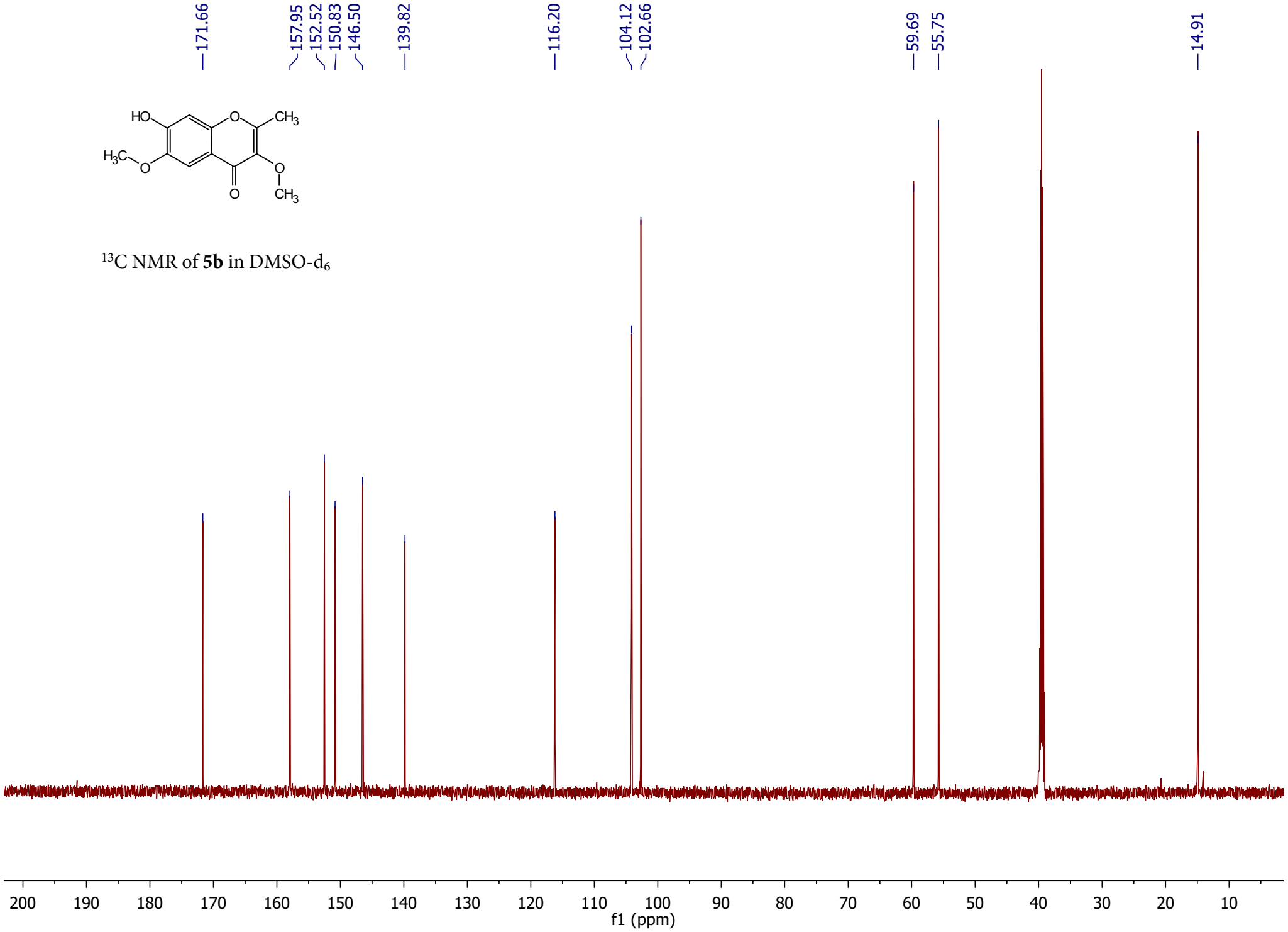
^{1}H NMR of **5a** in DMSO-d_6



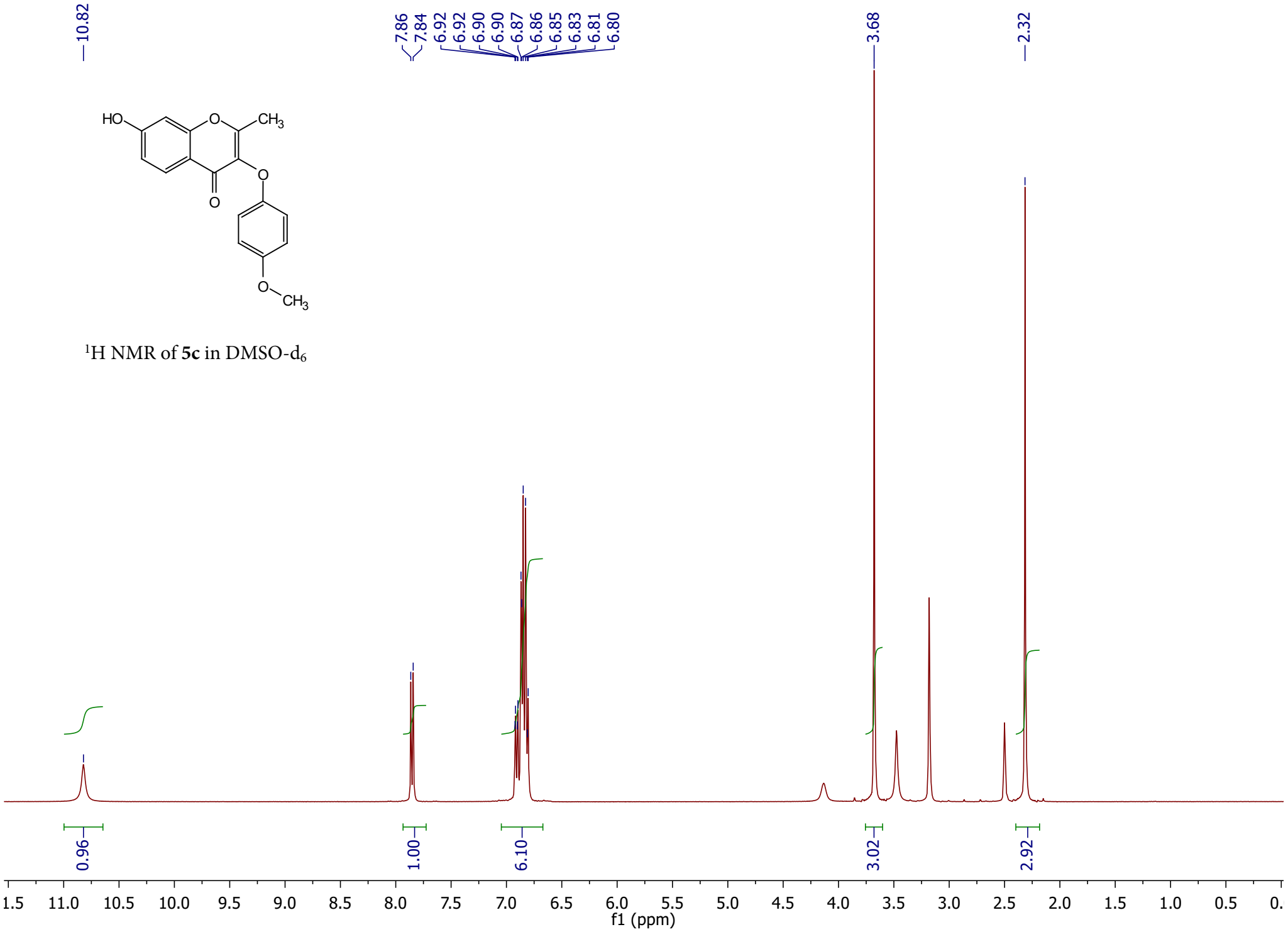
^{13}C NMR of **5a** in DMSO-d_6



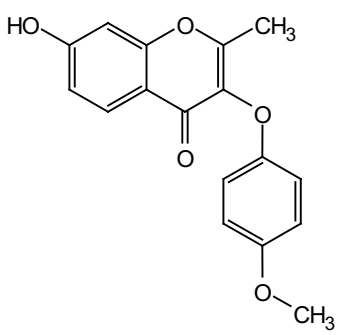
^{1}H NMR of **5b** in DMSO-d_6



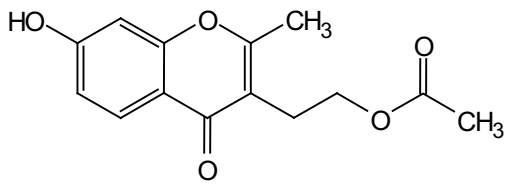
^{13}C NMR of **5b** in DMSO-d_6



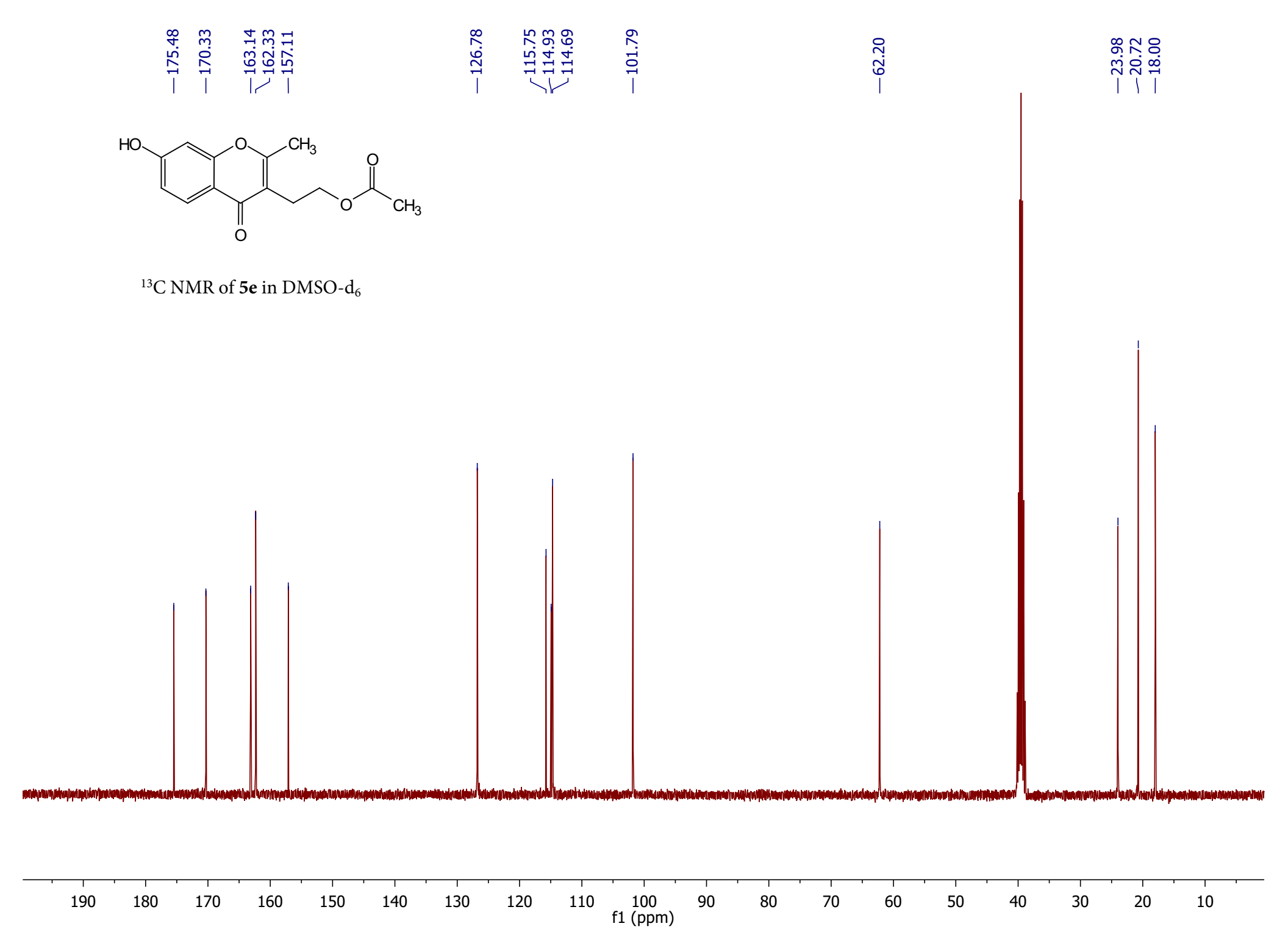
^{1}H NMR of **5c** in DMSO-d_6



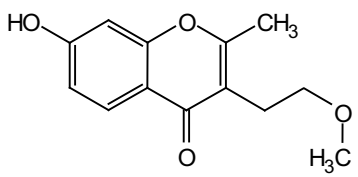
^{13}C NMR of **5c** in DMSO-d_6



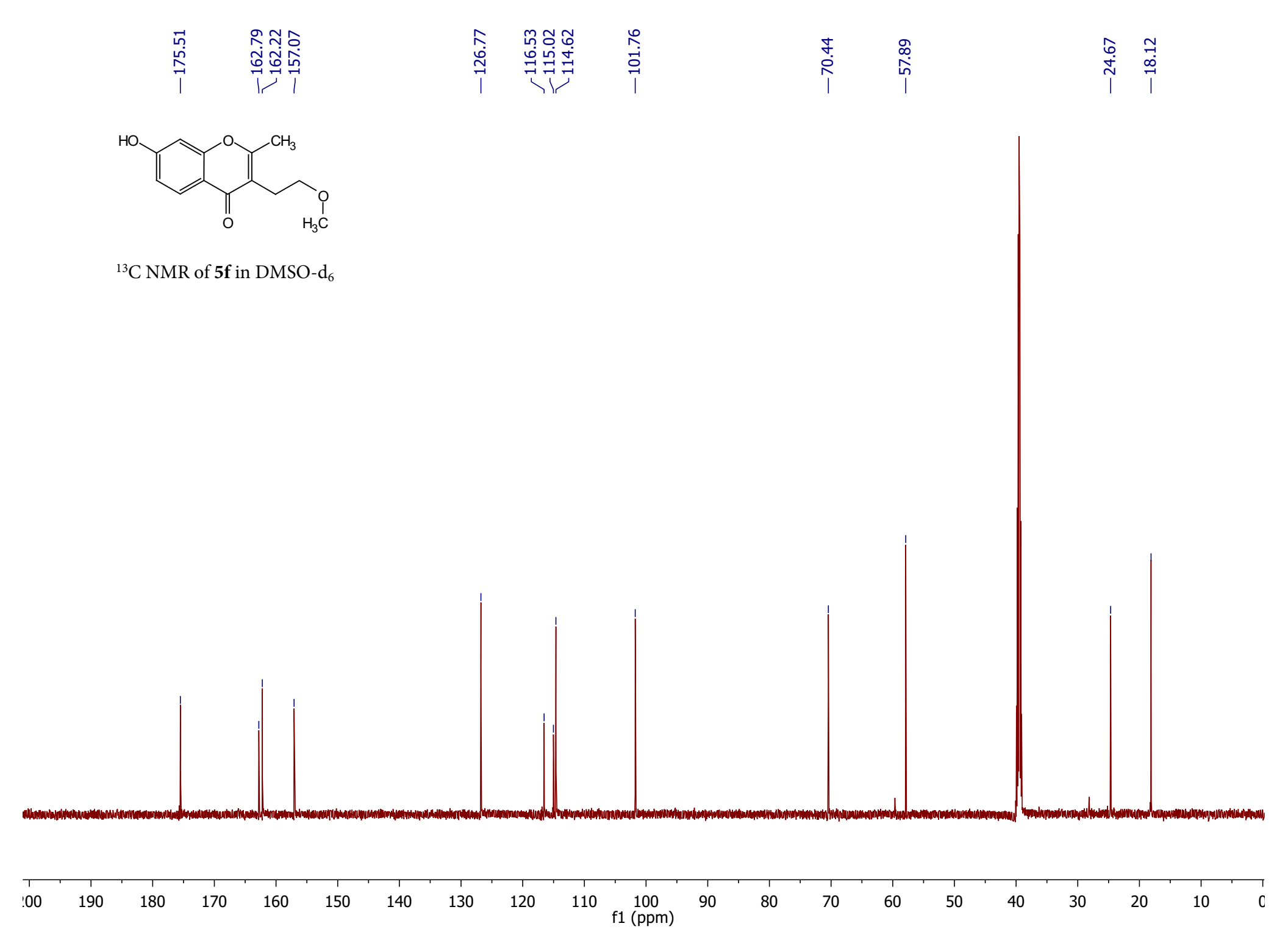
^{1}H NMR of **5e** in DMSO-d_6



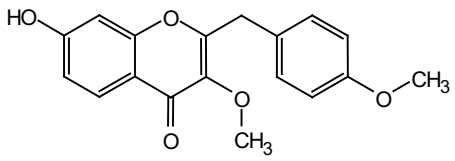
^{13}C NMR of **5e** in DMSO-d_6



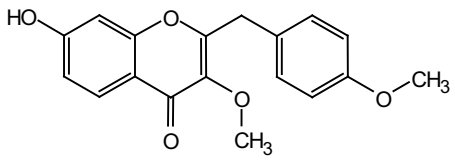
^{1}H NMR of **5f** in DMSO-d_6



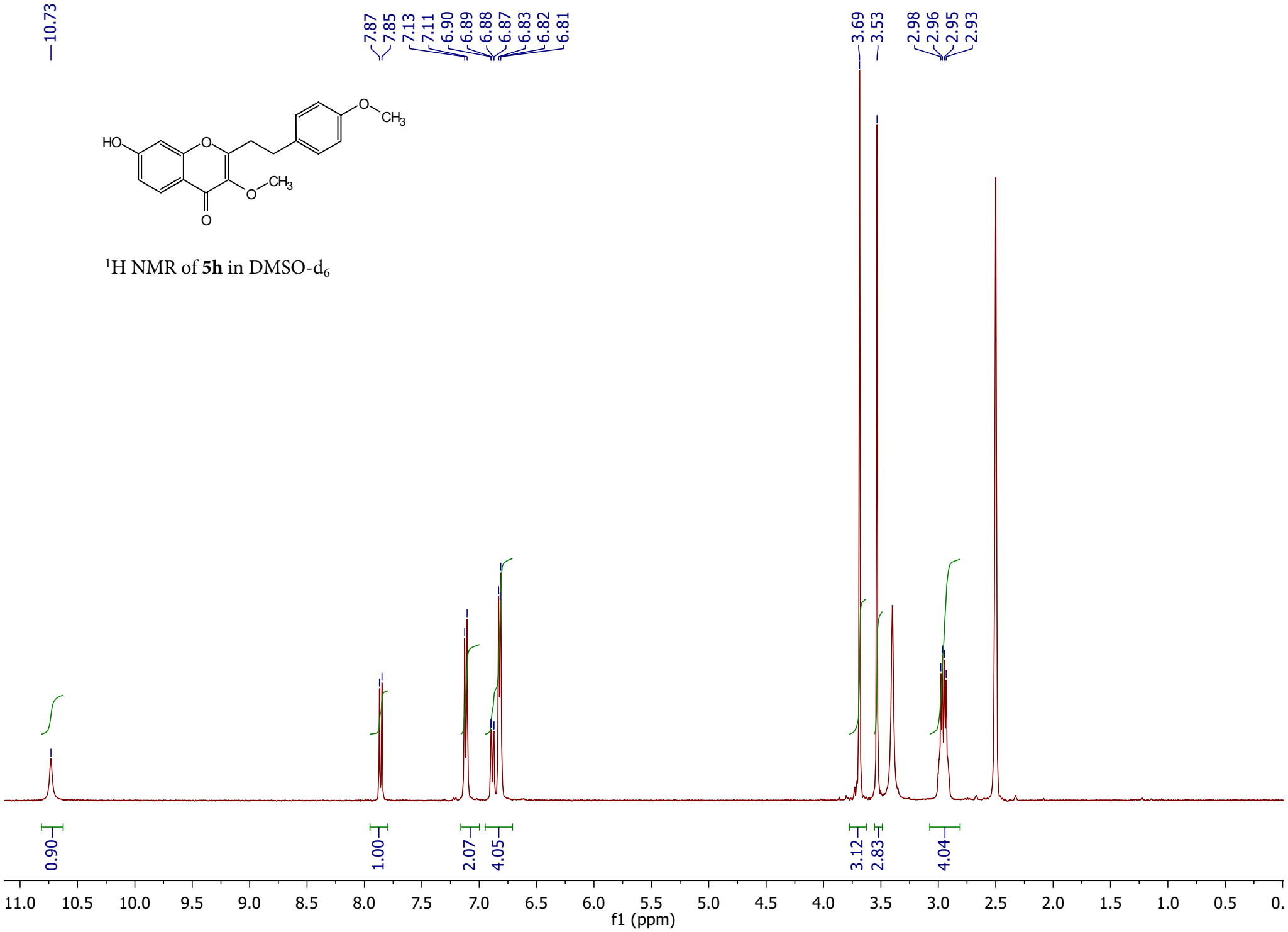
^{13}C NMR of **5f** in DMSO-d_6



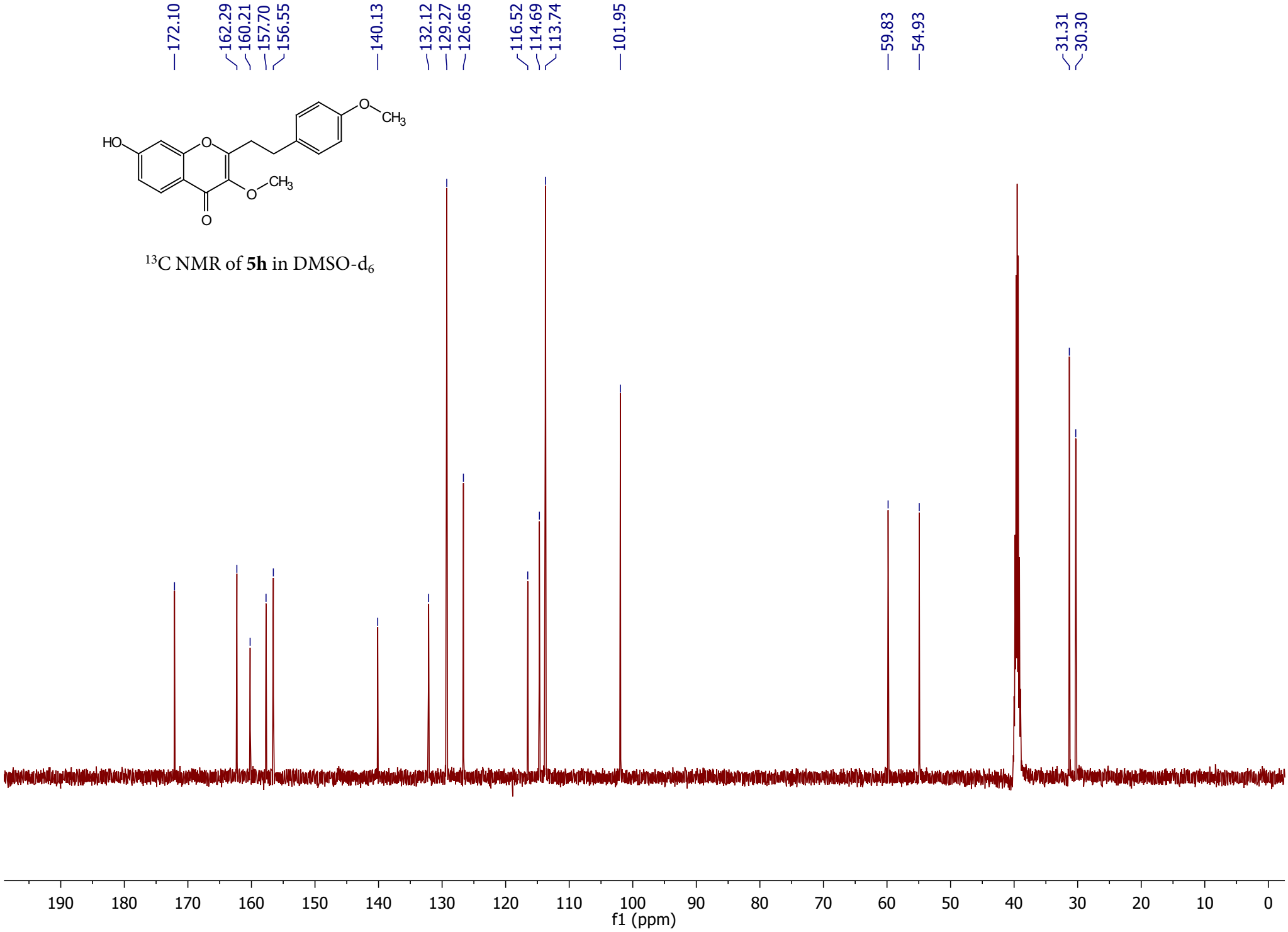
^{1}H NMR of **5g** in DMSO-d_6



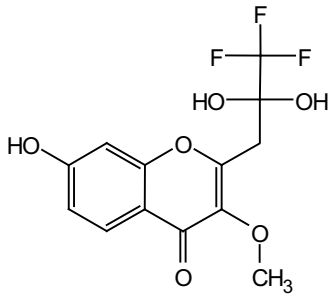
^{13}C NMR of **5g** in DMSO-d_6



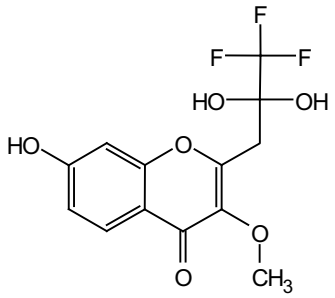
^{1}H NMR of **5h** in DMSO-d_6



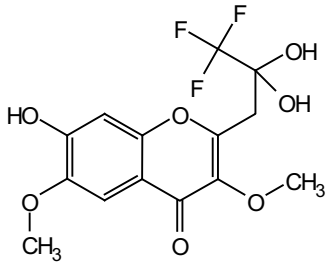
^{13}C NMR of **5h** in DMSO-d_6



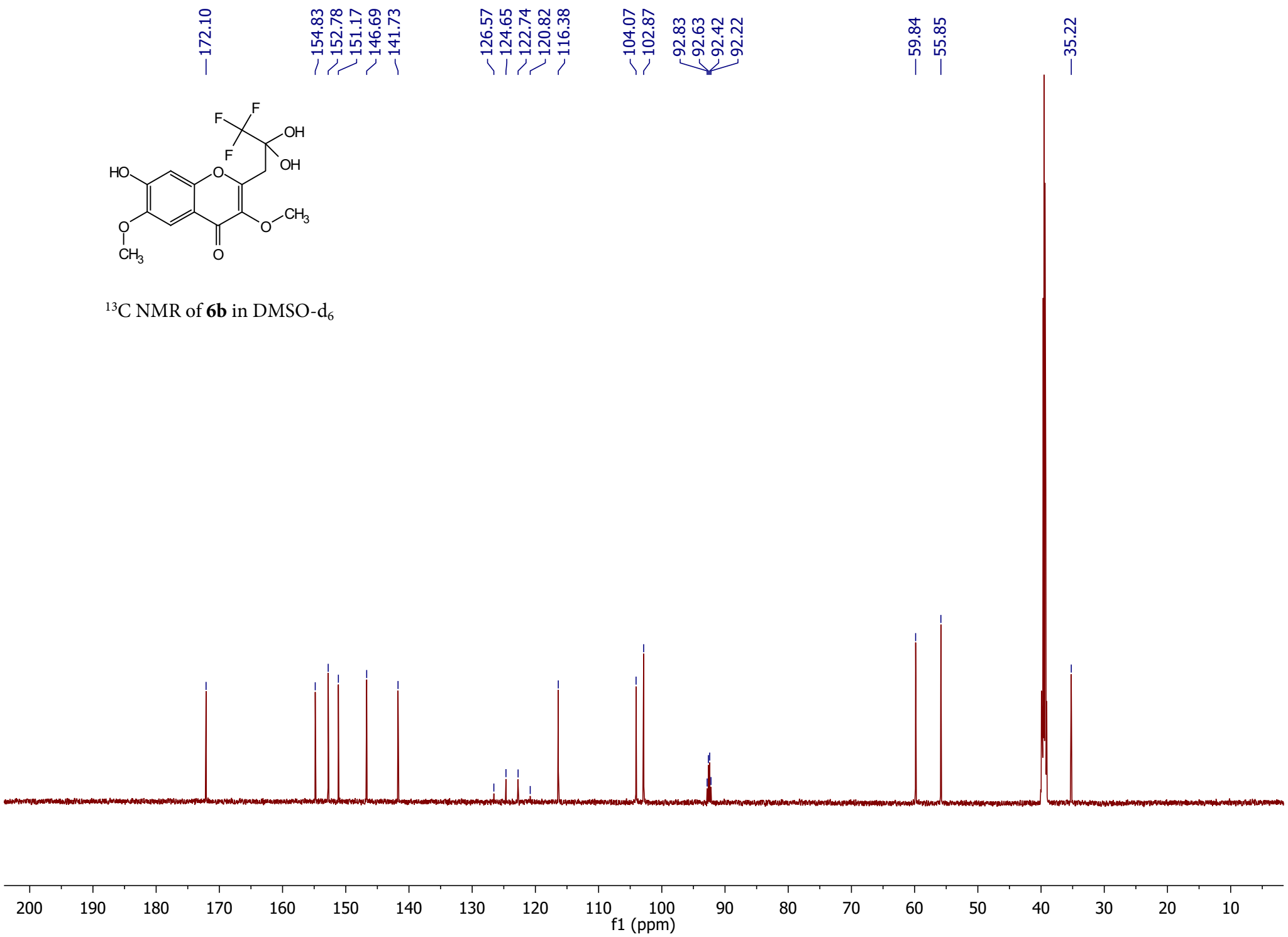
^{1}H NMR of **6a** in DMSO-d_6



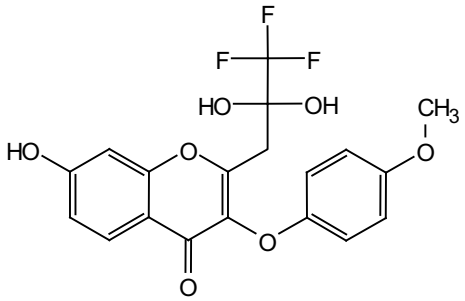
^{13}C NMR of **6a** in DMSO-d_6



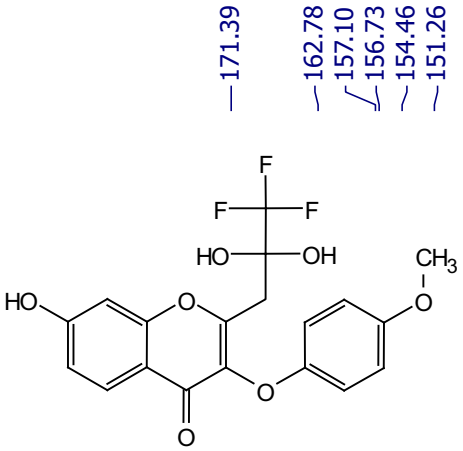
^{1}H NMR of **6b** in DMSO-d_6



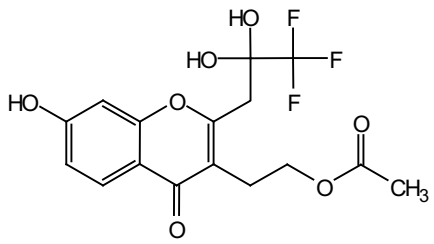
^{13}C NMR of **6b** in DMSO-d_6



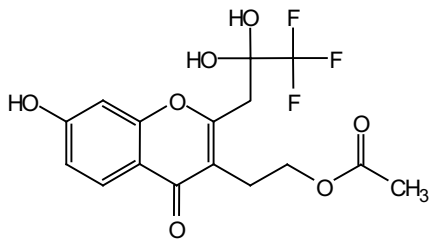
^{1}H NMR of **6d** in DMSO-d_6



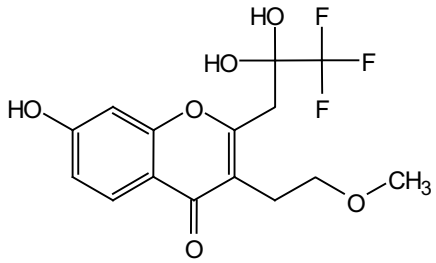
^{13}C NMR of **6d** in DMSO-d_6



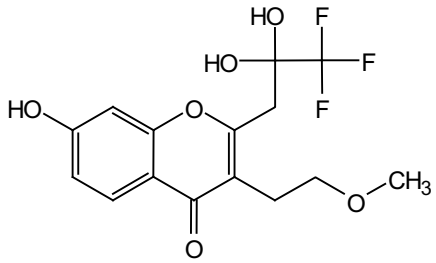
^{1}H NMR of **6e** in DMSO-d_6



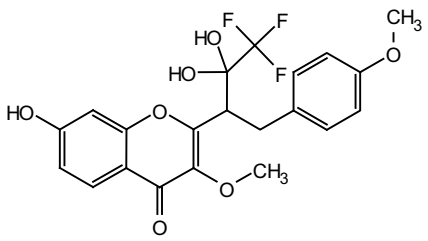
^{13}C NMR of **6e** in DMSO-d_6



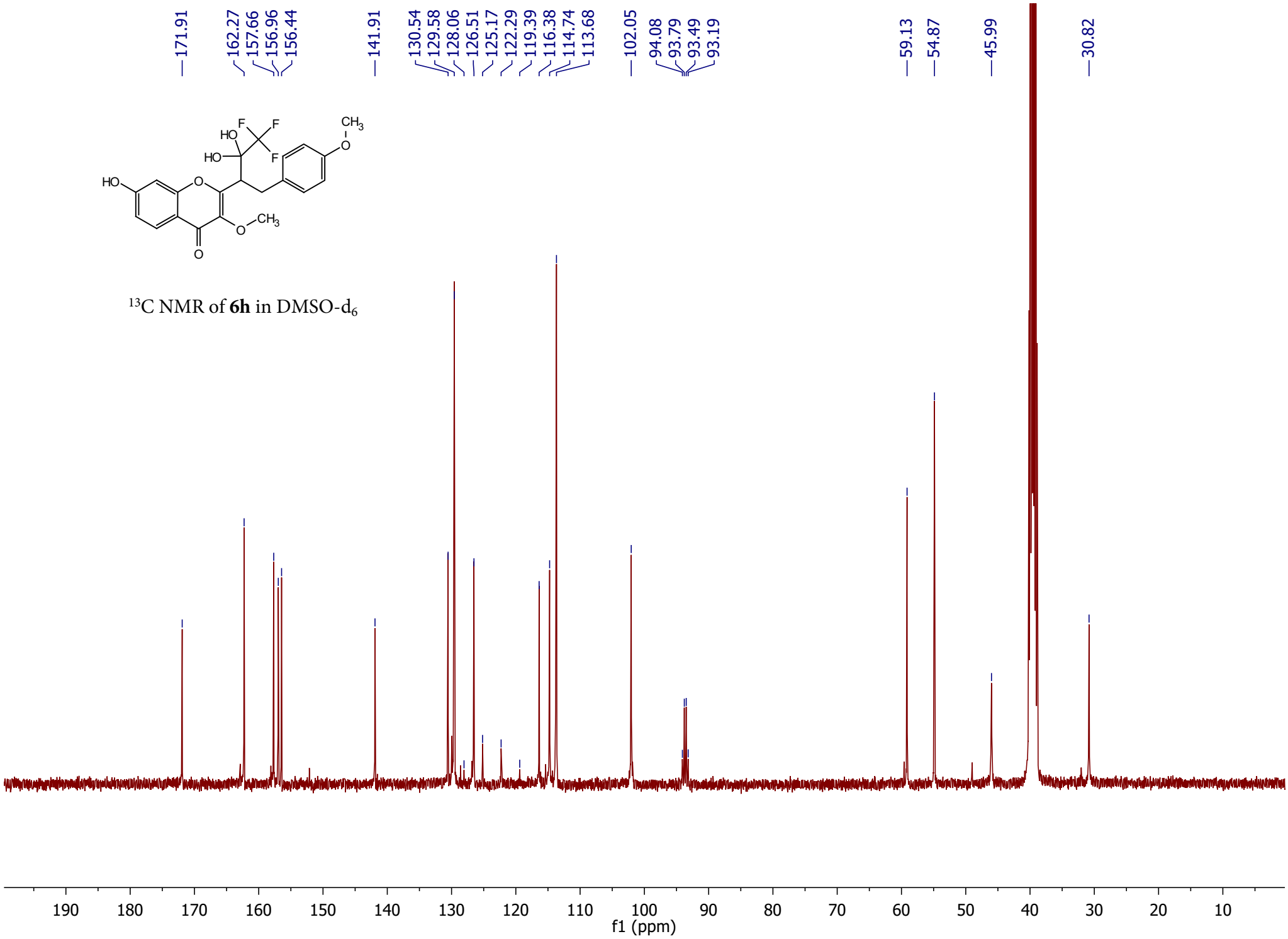
^{1}H NMR of **6f** in DMSO-d_6



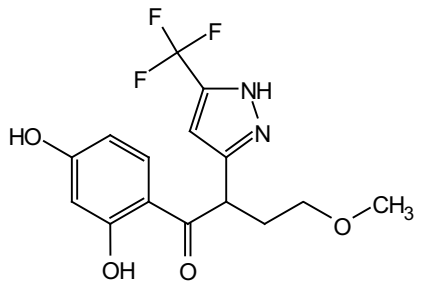
^{13}C NMR of **6f** in DMSO-d_6



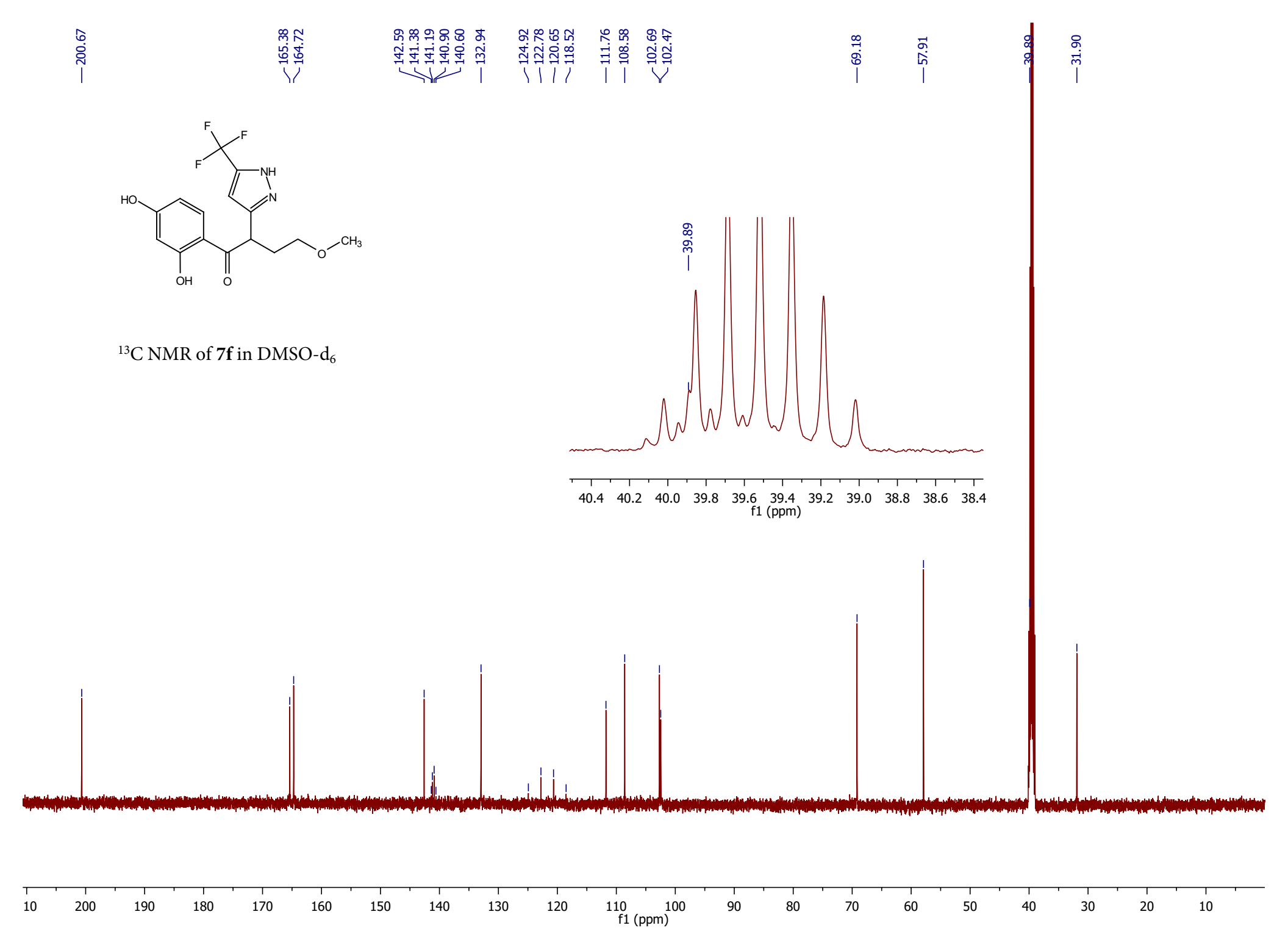
^{1}H NMR of **6h** in DMSO-d_6



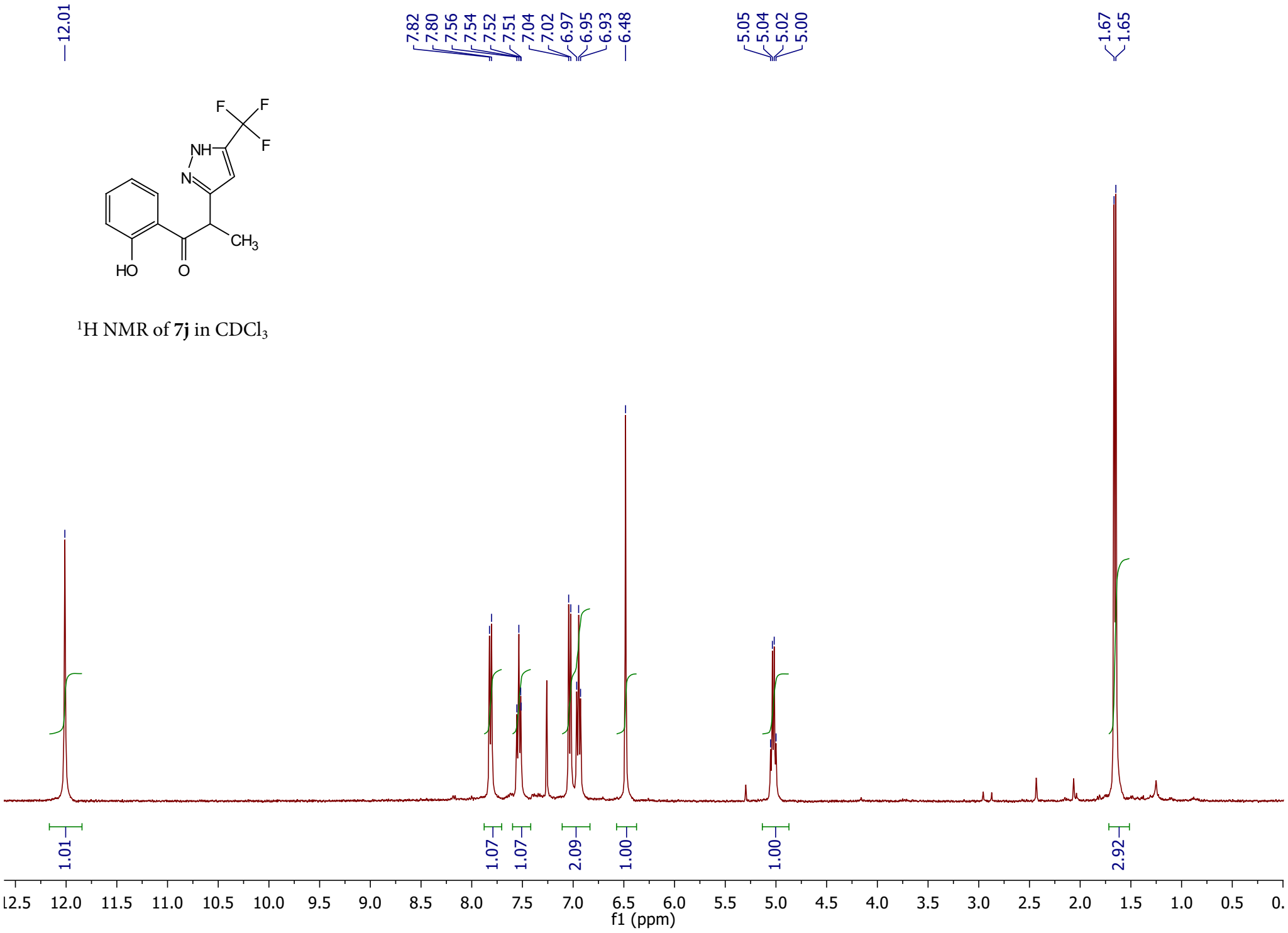
^{13}C NMR of **6h** in DMSO-d_6



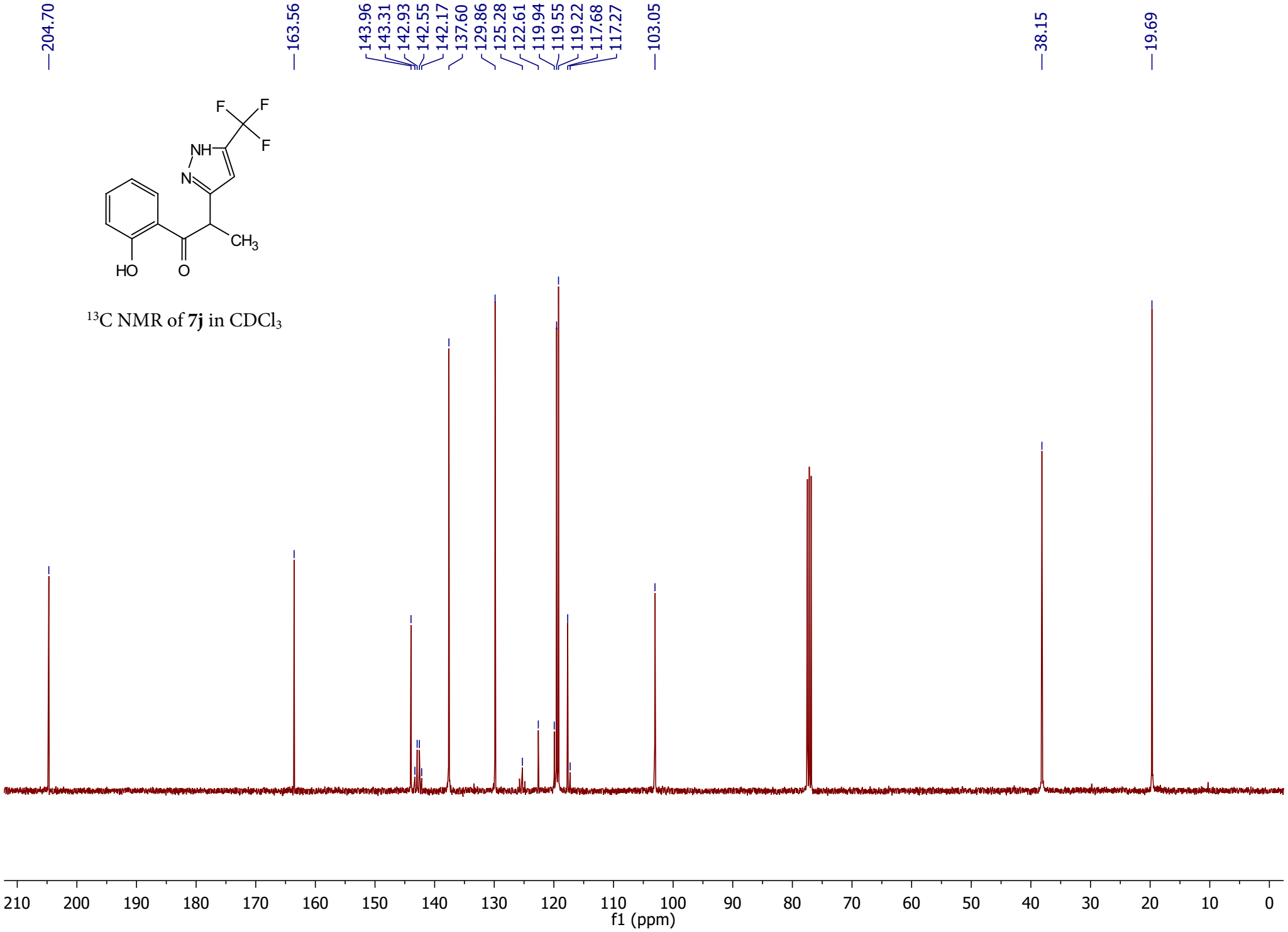
^{1}H NMR of **7f** in DMSO-d_6



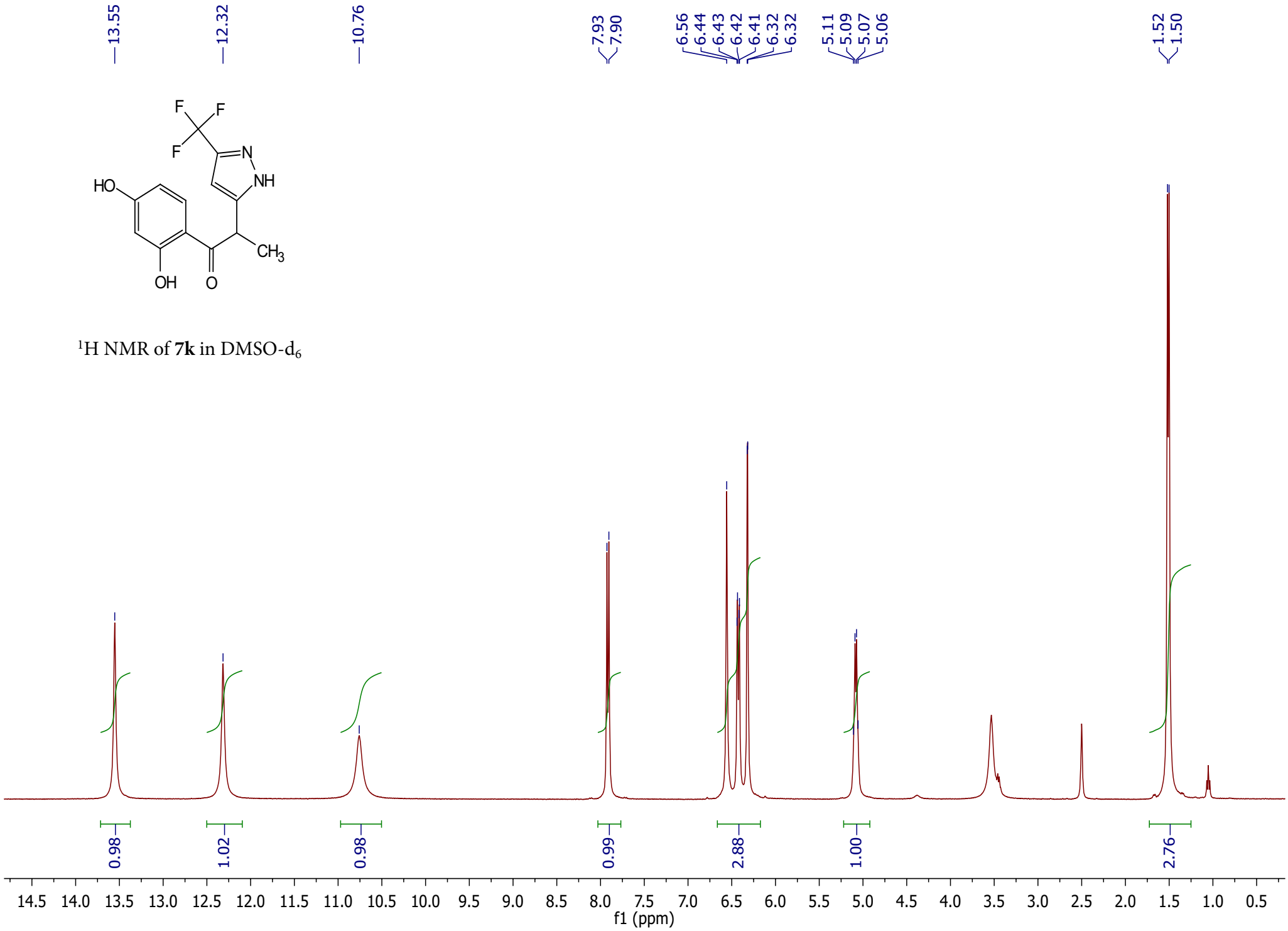
^{13}C NMR of **7f** in DMSO-d_6



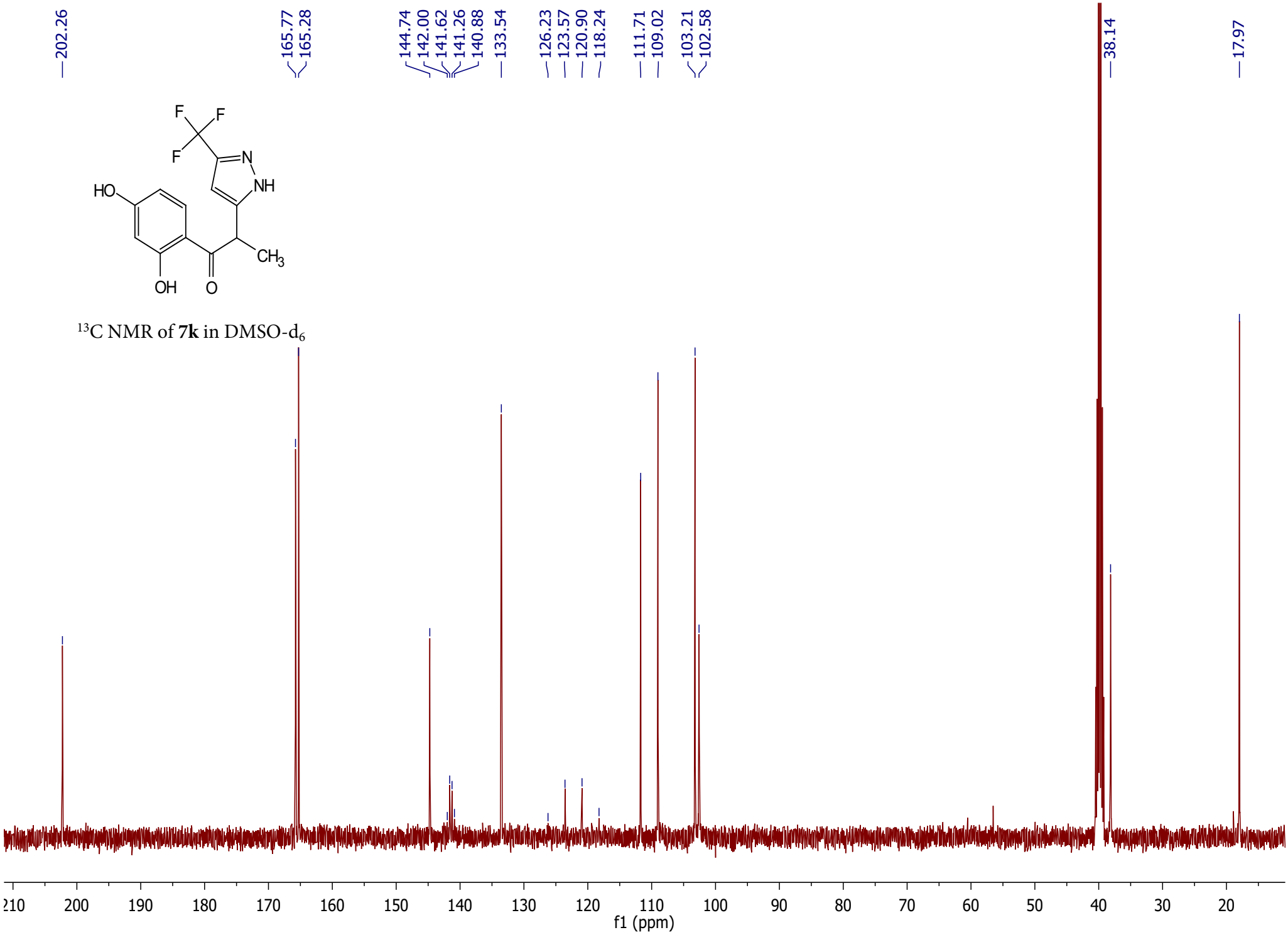
^{1}H NMR of **7j** in $CDCl_3$



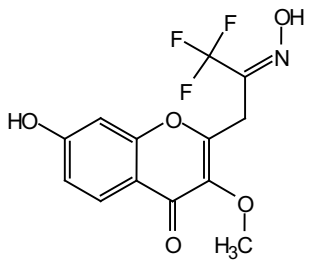
^{13}C NMR of **7j** in $CDCl_3$



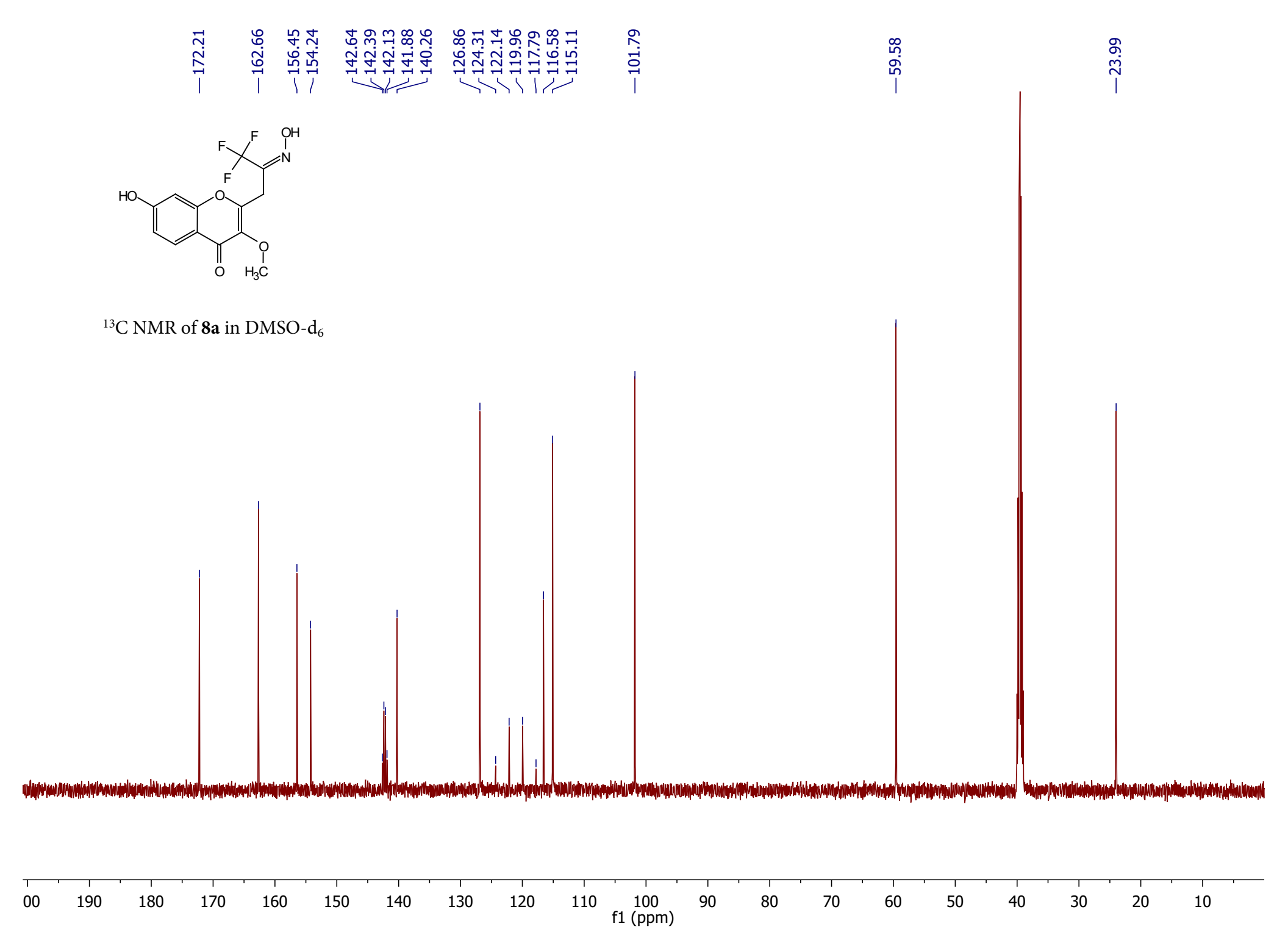
^{1}H NMR of **7k** in DMSO-d_6



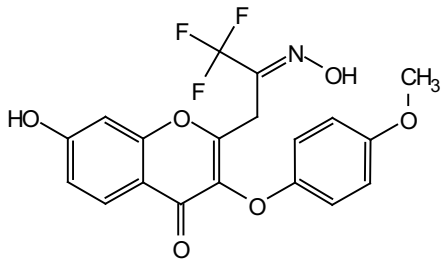
^{13}C NMR of **7k** in DMSO-d_6



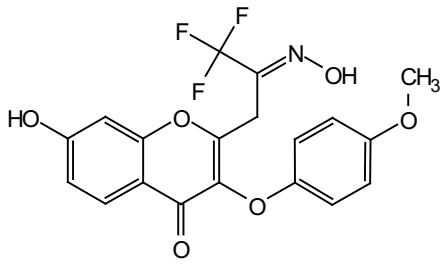
^{1}H NMR of **8a** in DMSO-d_6



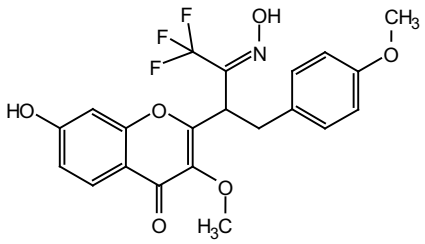
^{13}C NMR of **8a** in DMSO-d_6



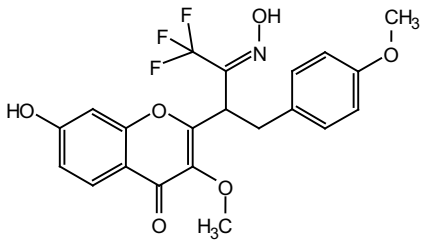
^{1}H NMR of **8c** in DMSO-d_6



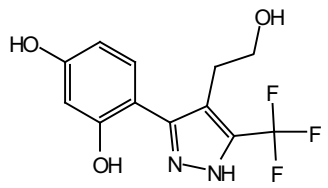
^{13}C NMR of **8c** in DMSO-d_6



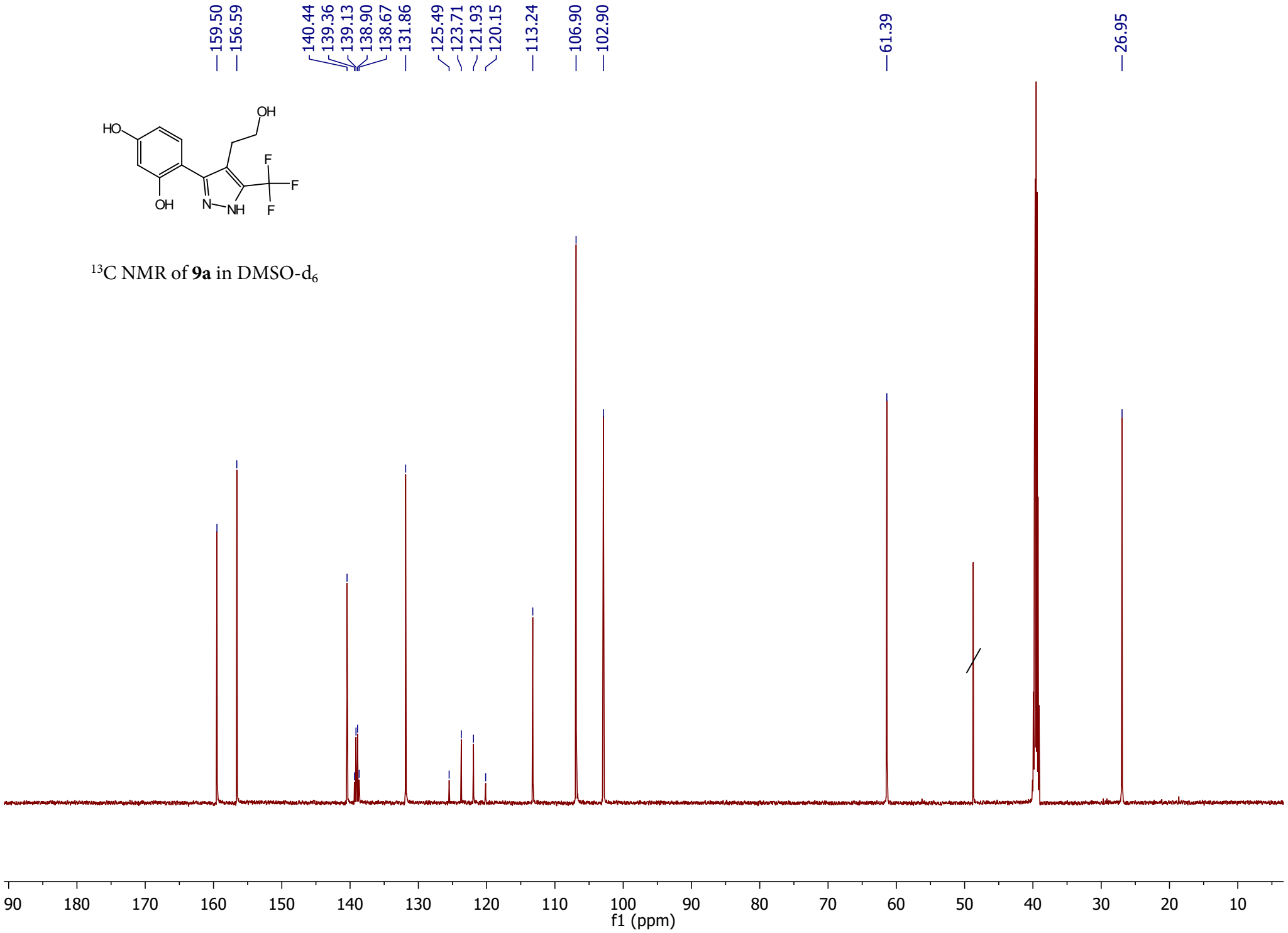
^{1}H NMR of **8h** in DMSO-d_6



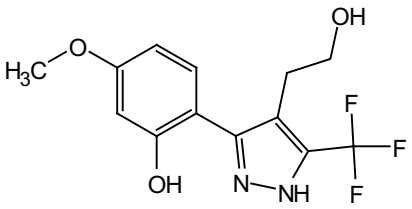
^{13}C NMR of **8h** in DMSO-d_6



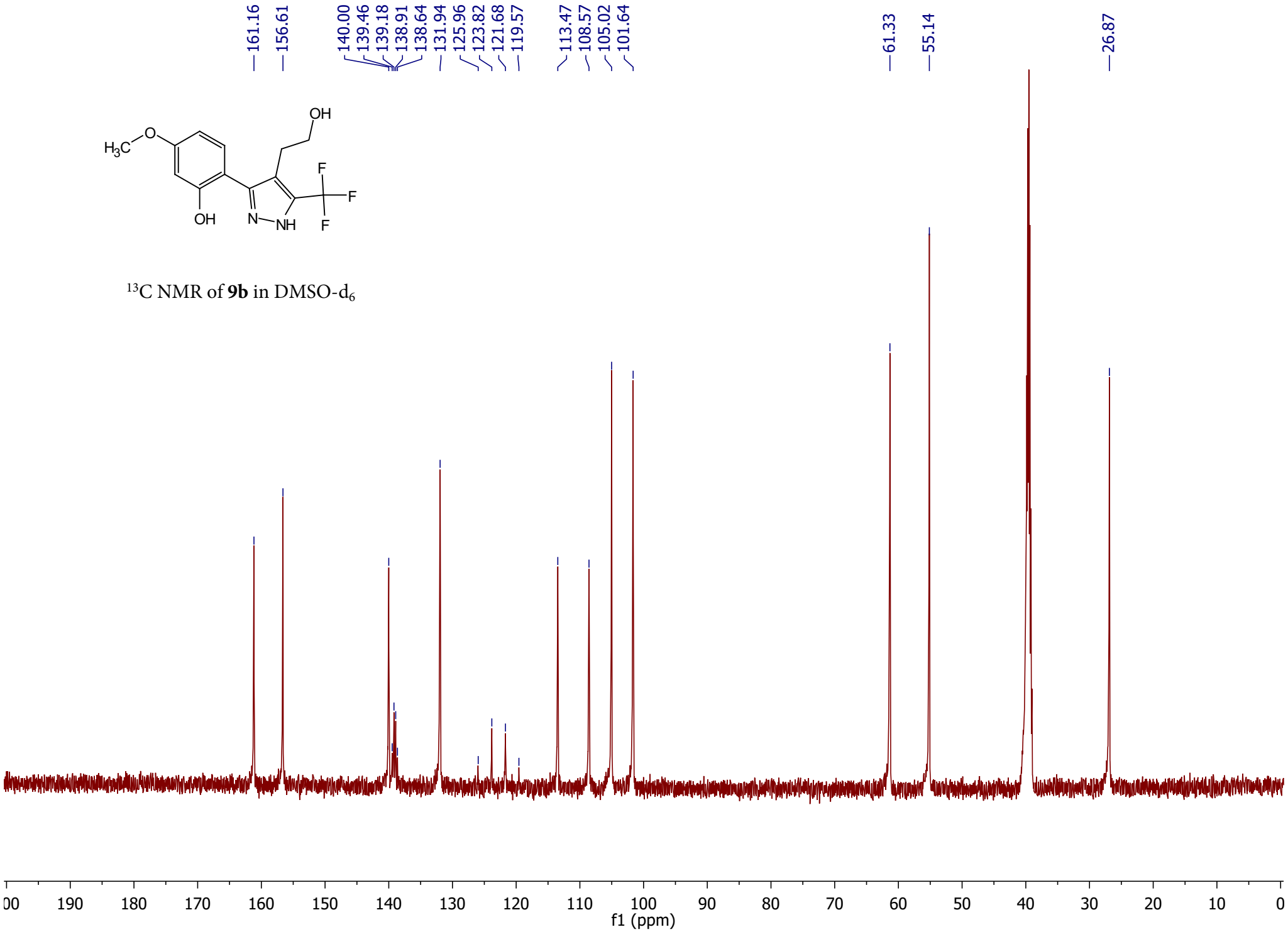
^{1}H NMR of **9a** in DMSO-d_6



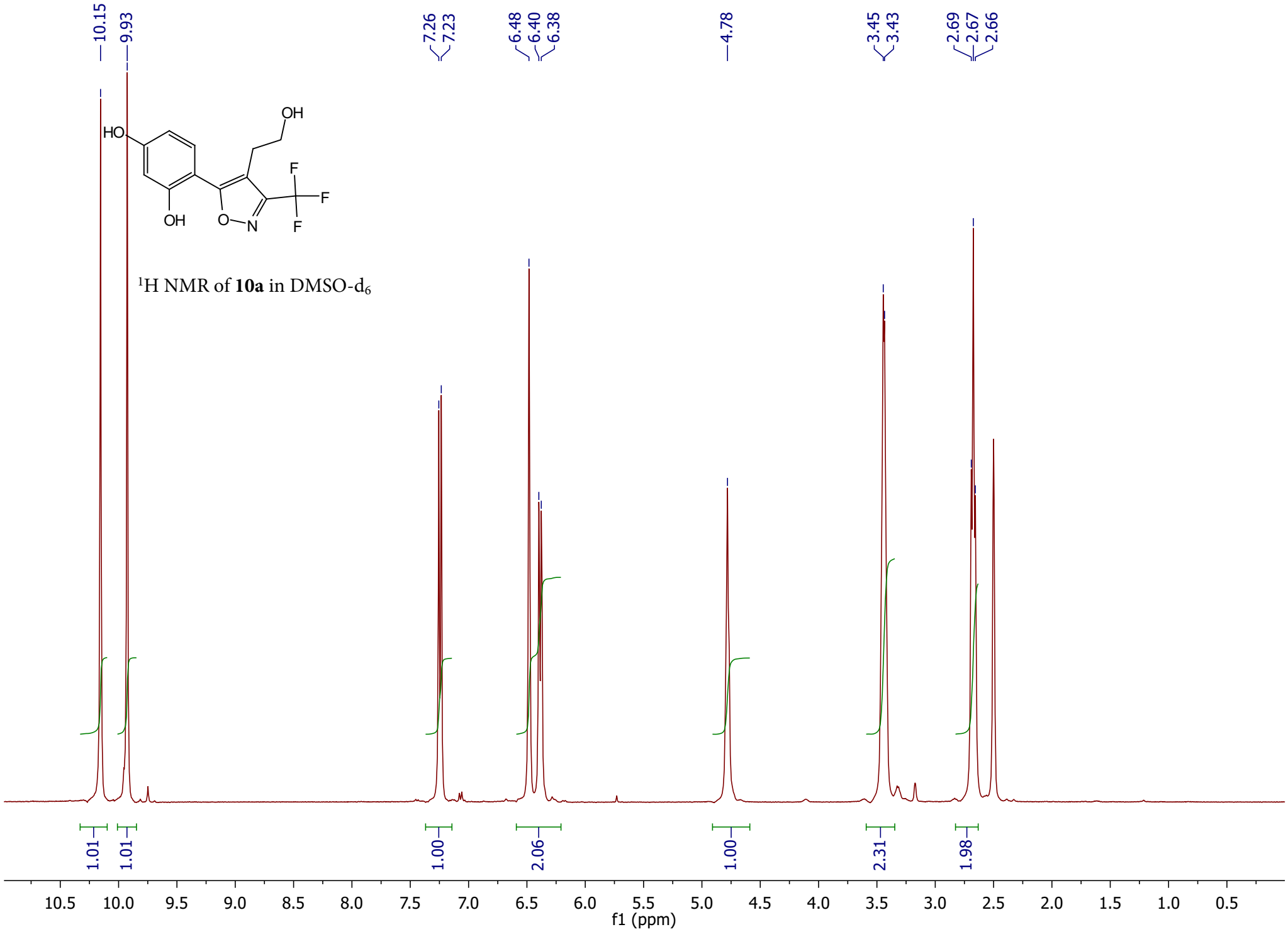
^{13}C NMR of **9a** in DMSO-d_6



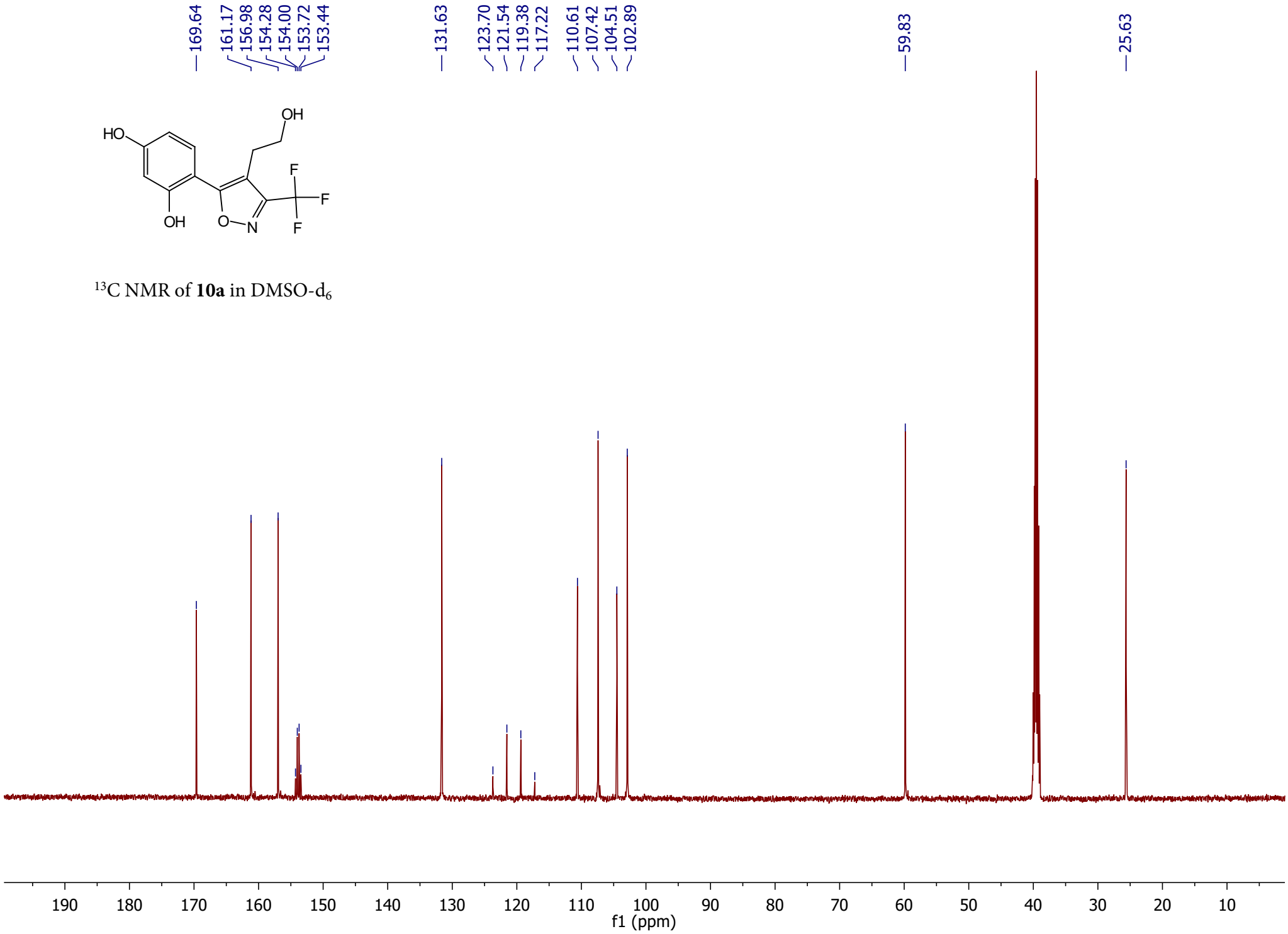
^{1}H NMR of **9b** in DMSO-d_6



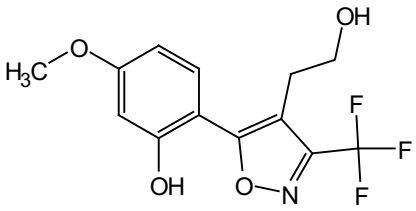
^{13}C NMR of **9b** in DMSO-d_6



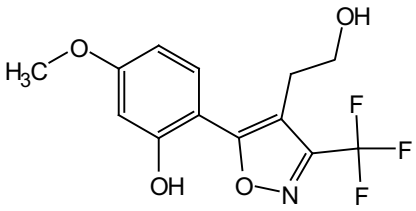
^{1}H NMR of **10a** in DMSO-d_6



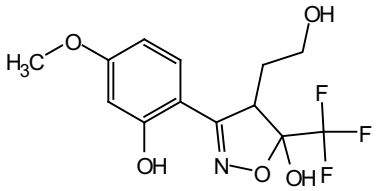
^{13}C NMR of **10a** in DMSO-d_6



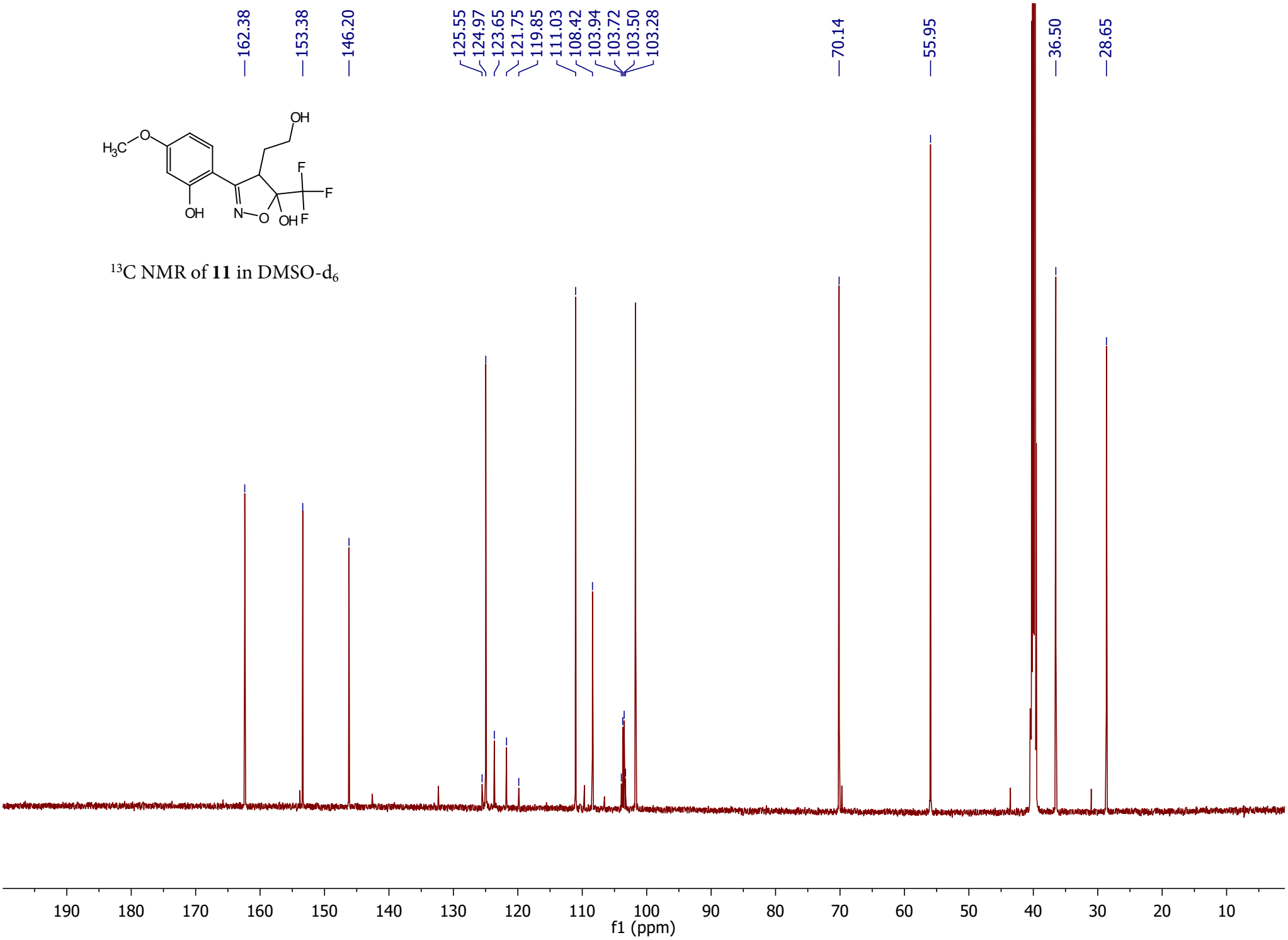
^{1}H NMR of **10b** in DMSO-d_6



^{13}C NMR of **10b** in DMSO-d_6



^{1}H NMR of **11** in DMSO-d_6



^{13}C NMR of **11** in DMSO-d_6