Electronic Supplementary Information (ESI)

Effect of Hydroxy Groups on X-ray-induced Decomposition of Azobenzene Derivatives

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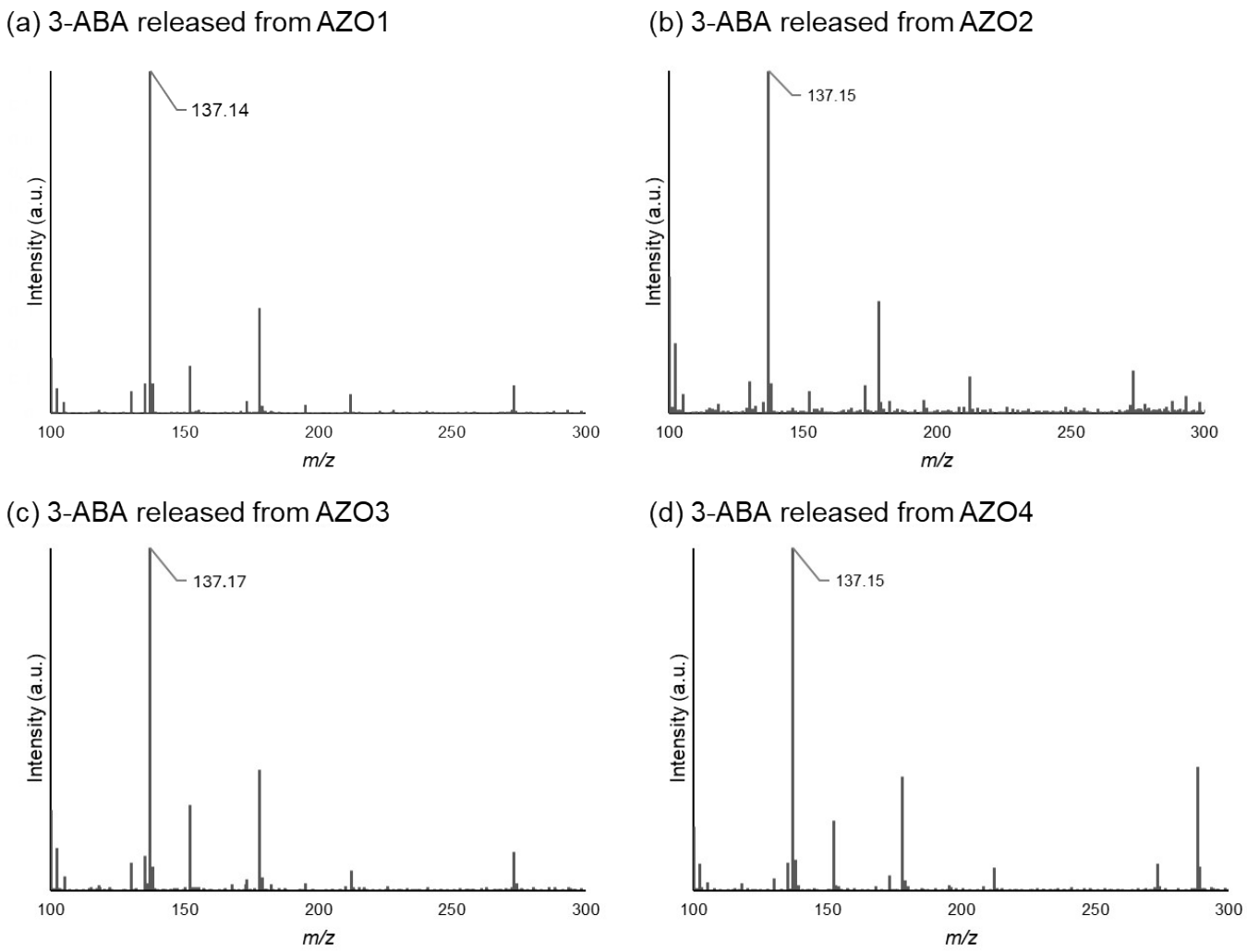

Fig. S1 MS spectrums of 3-ABA released from AZO1–4 after X-ray irradiation for (a) AZO1, (b) AZO2, (c) AZO3, and (d) AZO4. (positive scan mode)

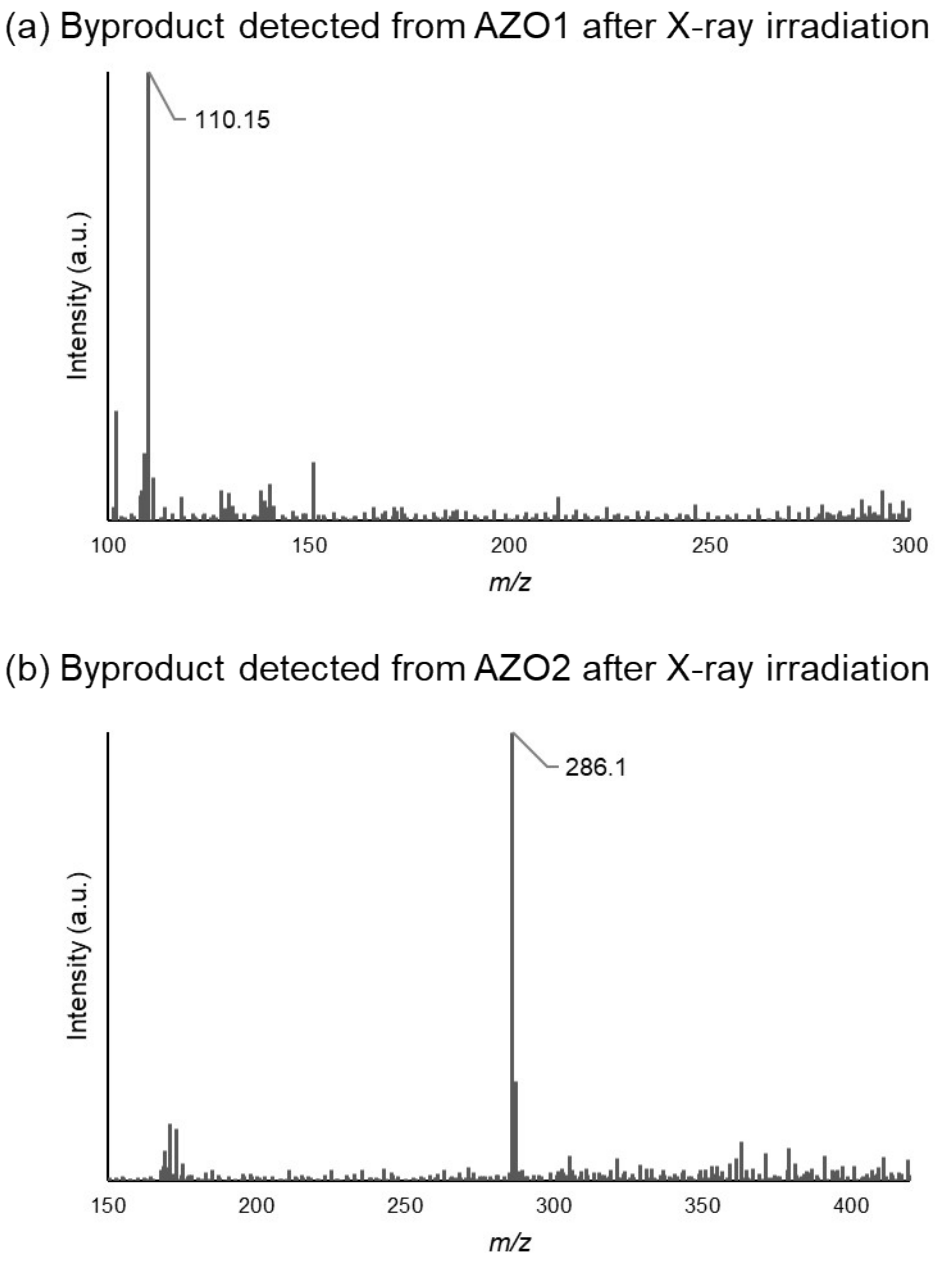

Fig. S2 MS spectrums of byproducts generated from (a) AZO1 (positive scan mode) and (b) AZO2 (negative scan mode) after X-ray irradiation.

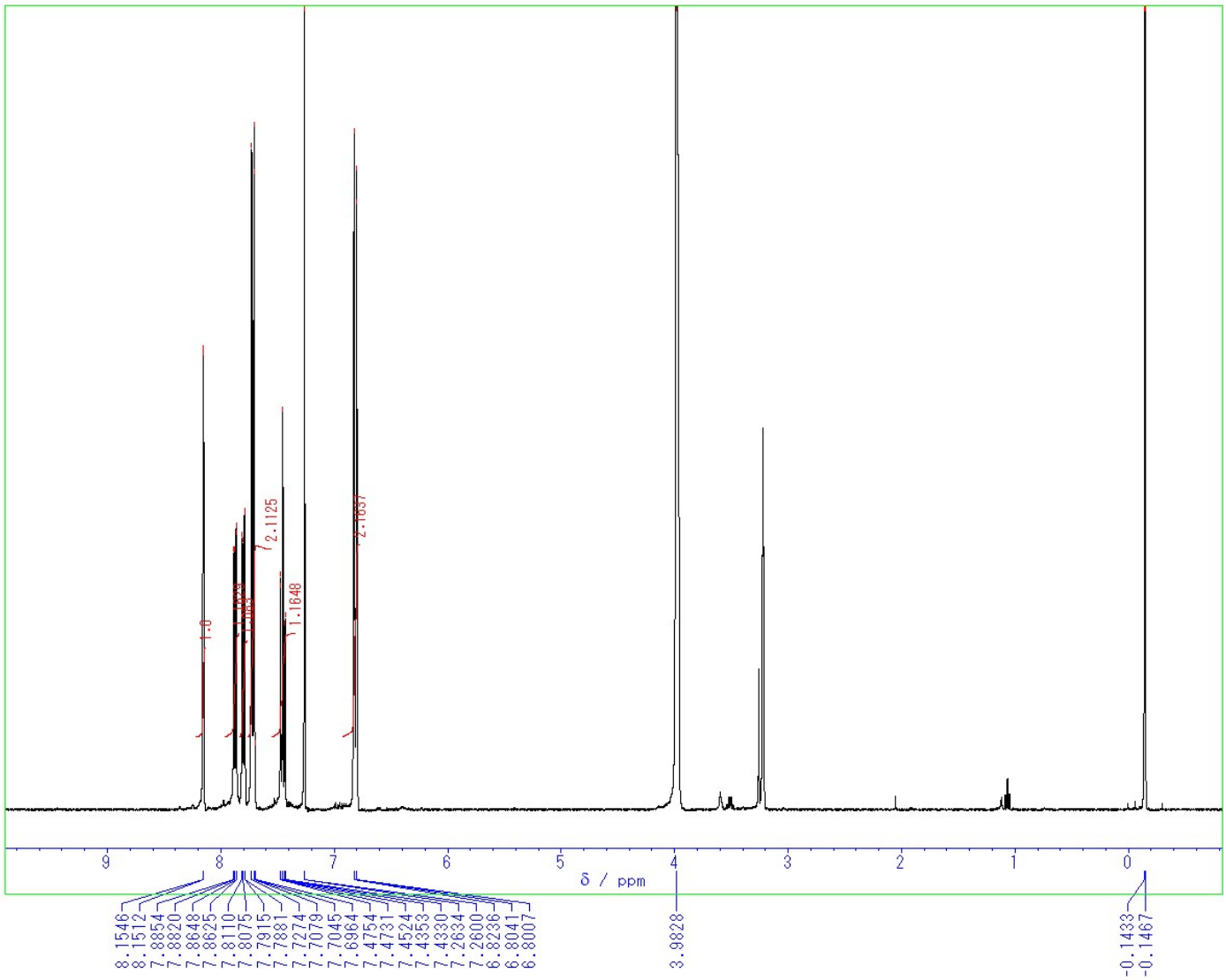

Fig. S3 ^{1}H spectrum of AZO1 in CD_3OD (containing $CDCl_3$ as a cosolvent)

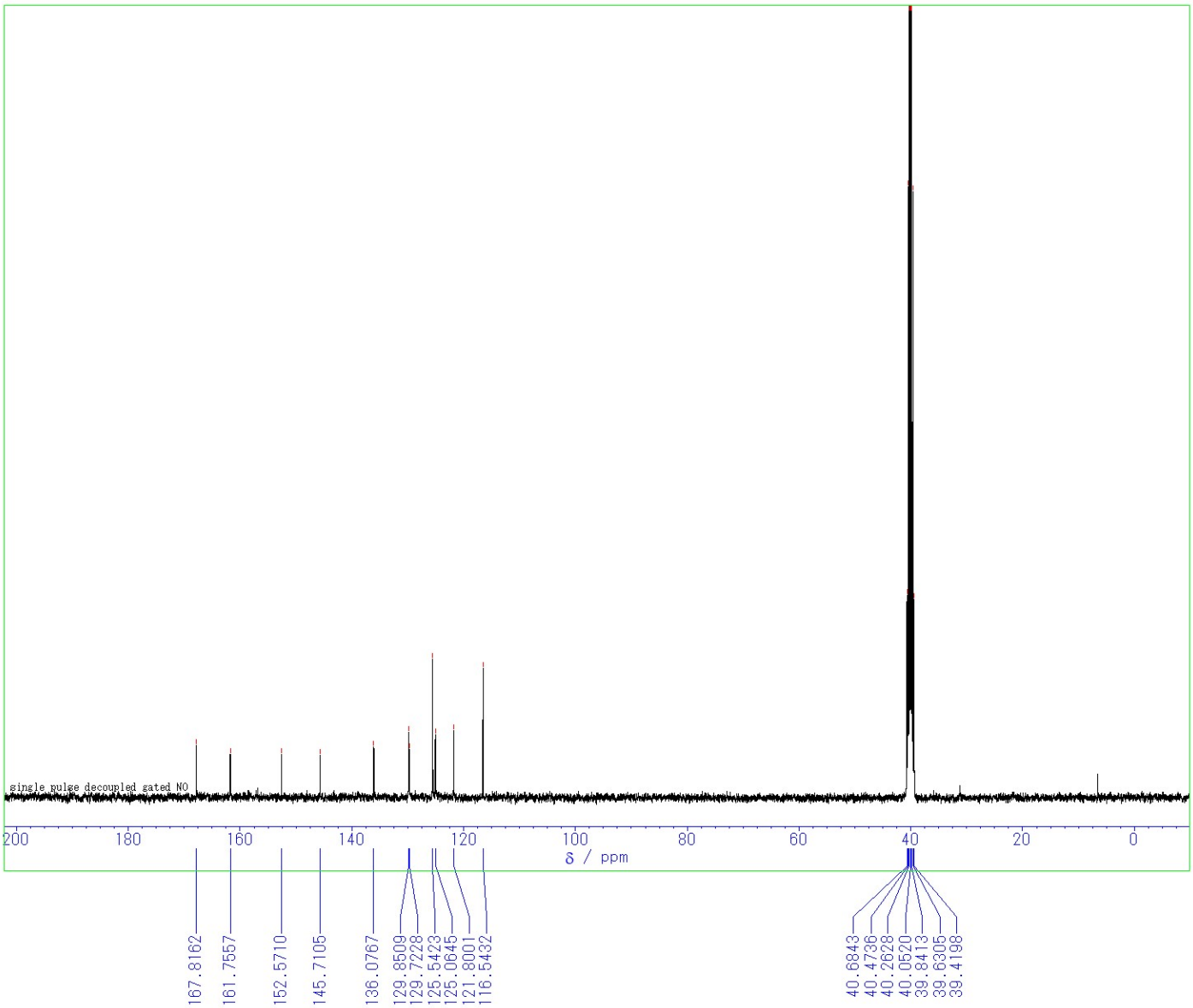

Fig. S4 ^{13}C spectrum of AZO1 in DMSO-d_6

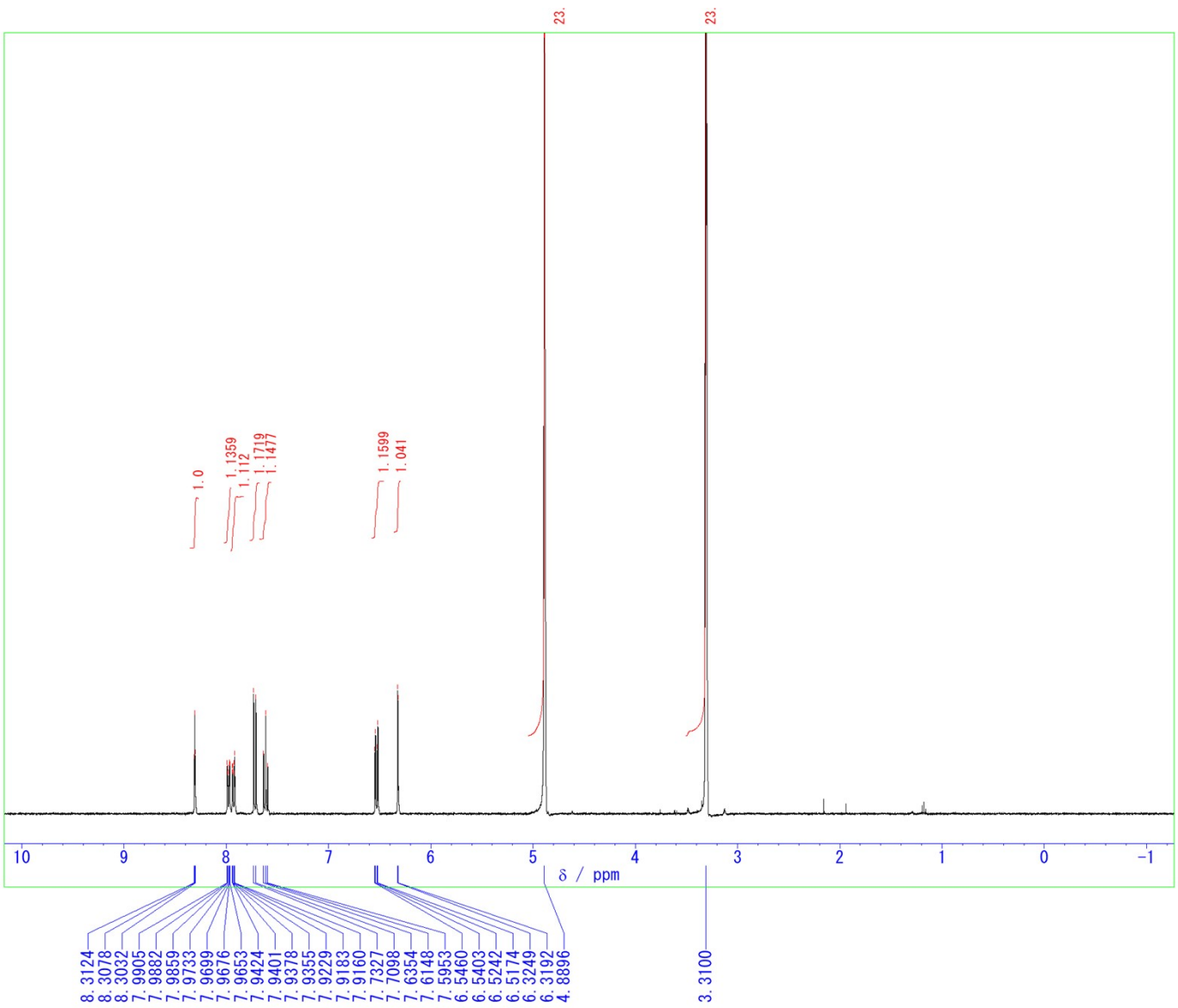

Fig. S5 ^{1}H spectrum of AZO2 in CD_3OD

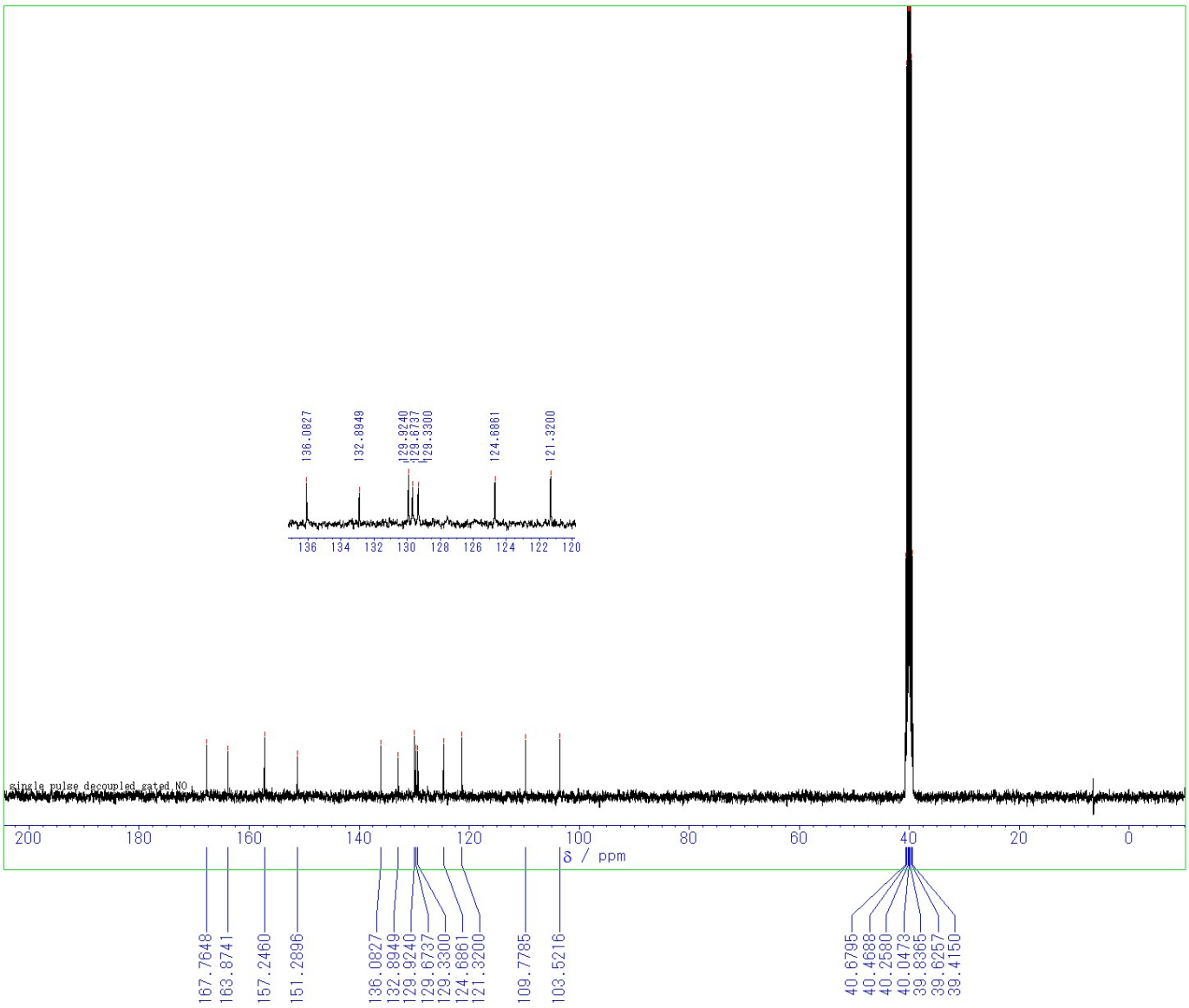

Fig. S6 ^{13}C spectrum of AZO2 in DMSO-d_6

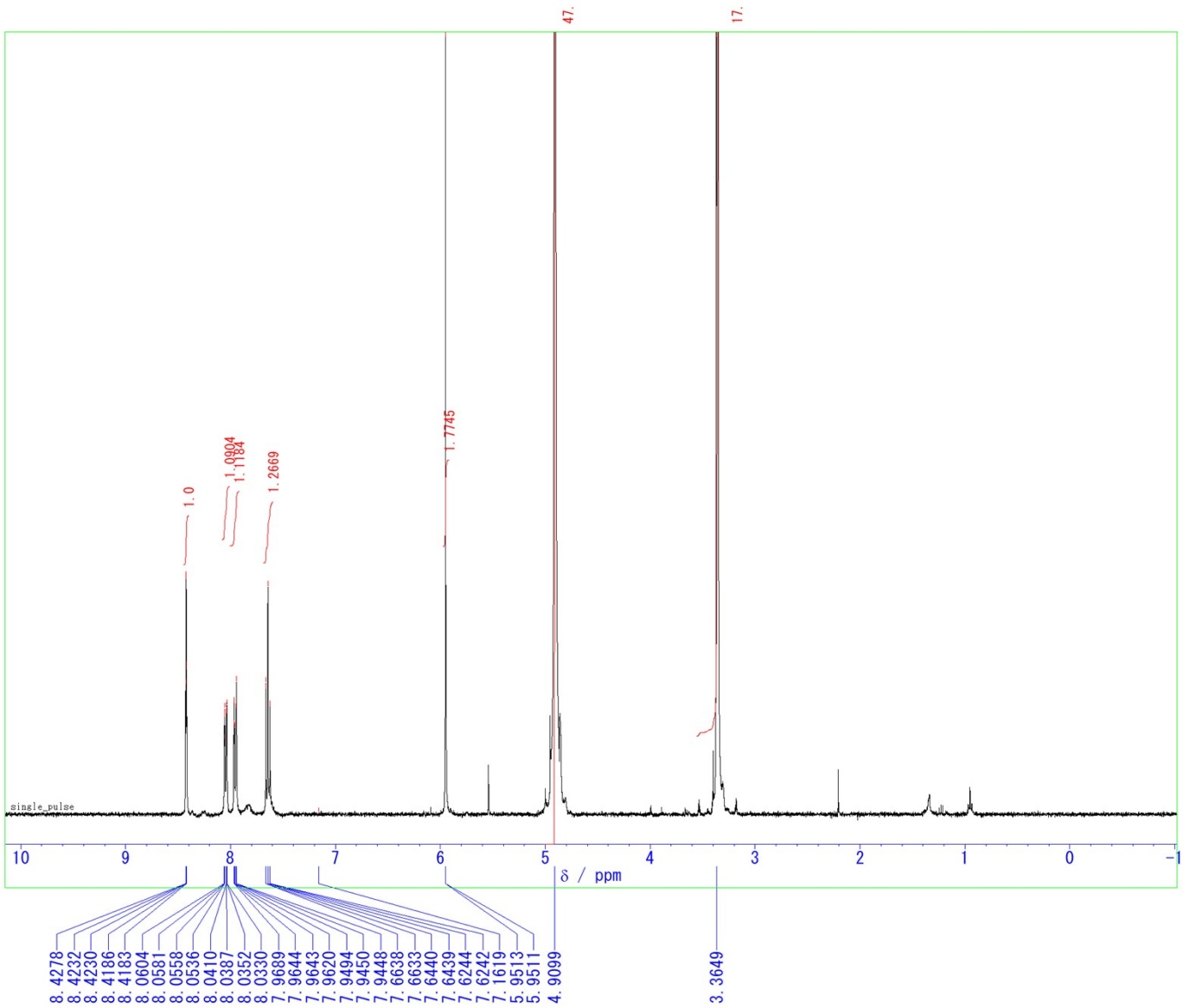

Fig. S7 ^{1}H spectrum of AZO3 in CD_3OD

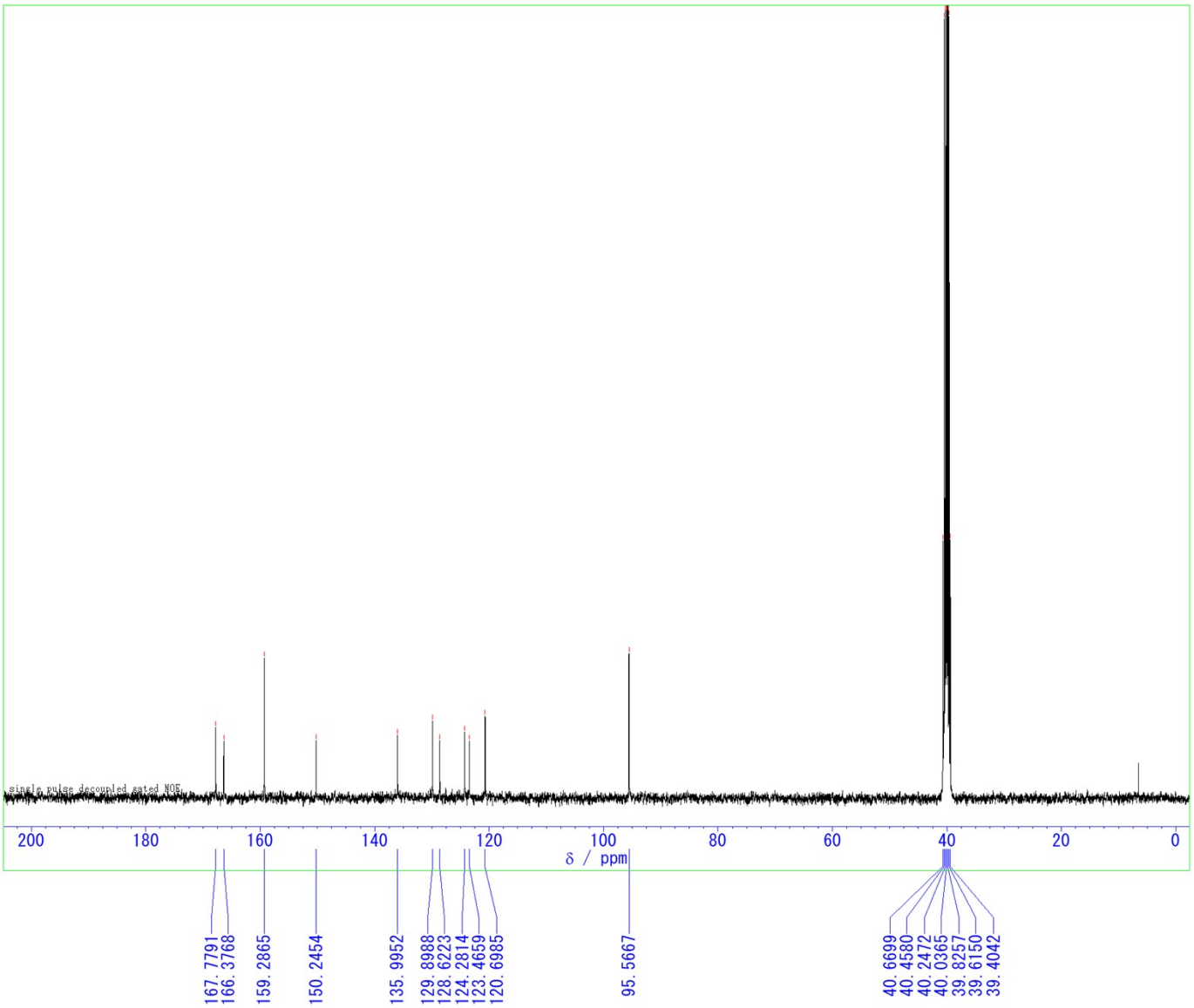

Fig. S8^{13}C spectrum of AZO3 in DMSO-d_6

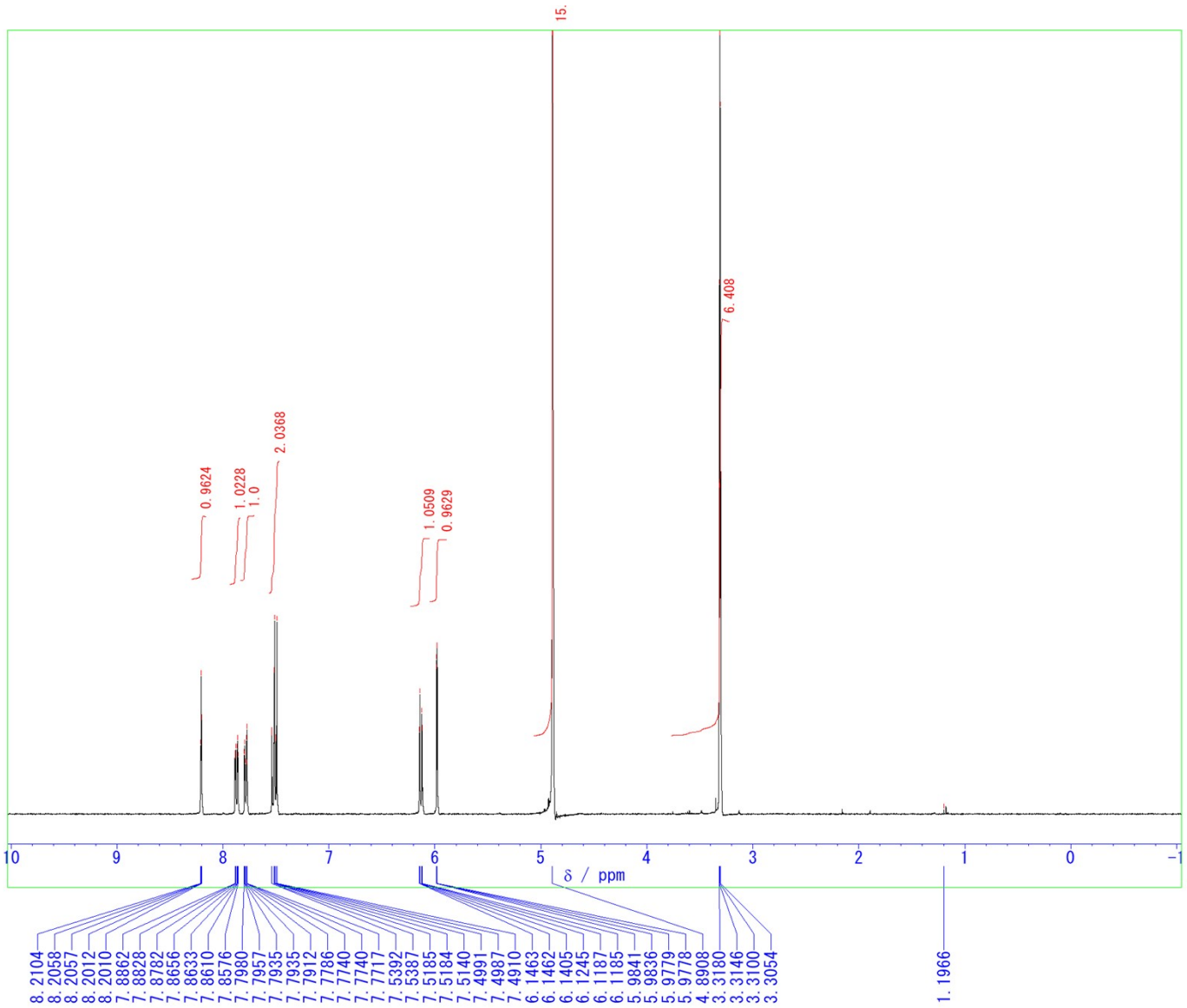

Fig. S9[1]H spectrum of AZO4 in CD_3OD

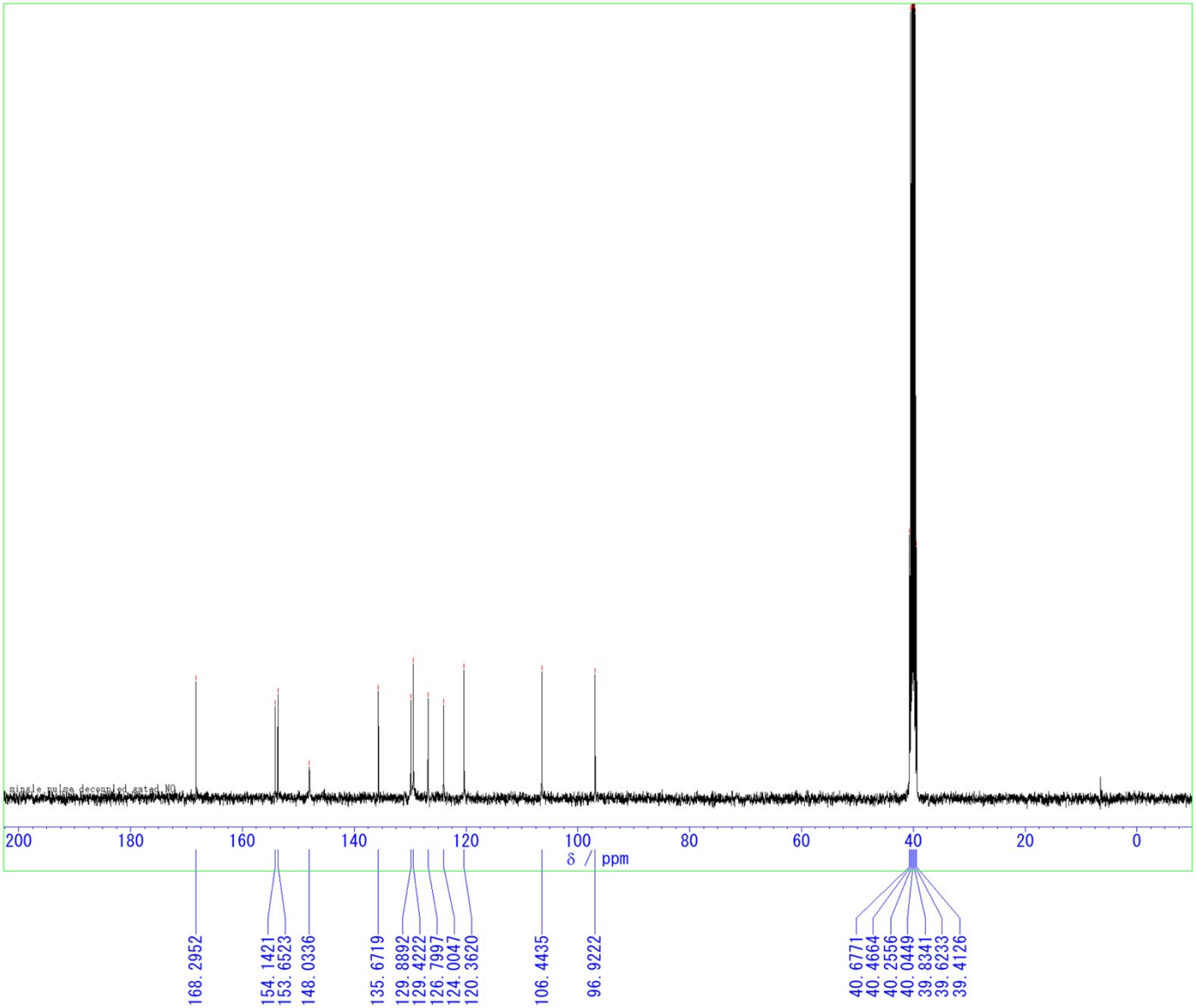

Fig. S10 ^{13}C spectrum of AZO4 in DMSO-d_6