*Supporting Information*

# The Issue of Misidentification of Kojic Acid with Flufuran in *Aspergillus flavus*

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## Figure legend

**Figure S1.** $^{13}$C NMR spectra of KA (**1**, red) and 5-(hydroxymethyl)-furan 3-carboxylic acid (**2**, green) recorded at 100 MHz in $CD_3OD$.

**Figure S2.** HSQC spectrum of 5-(hydroxymethyl)-furan 3-carboxylic acid (**2**), recorded in $CD_3OD$.

**Figure S3.** HMBC spectrum of 5-(hydroxymethyl)-furan 3-carboxylic acid (**2**), recorded in $CD_3OD$.

**Figure S4.** $^{1}$H NMR spectra of 5,7-*O*,*O'*-diacetylKA (**5**, red) and 5-(acetoxymethyl)-furan 3-carboxylic acid (**4**, green) recorded at 400 MHz in $CD_3OD$.

**Figure S5.** $^{13}$C NMR spectrum of 5-(acetoxymethyl)-furan 3-carboxylic acid (**4**) recorded at 100 MHz in $CD_3OD$.

**Figure S6.** $^{1}$H NMR spectrum of methyl 5-(hydroxymethyl)furan-3-carboxylate (**7**) recorded at 400 MHz in $CD_3OD$.

**Figure S7.** $^{13}$C NMR spectrum of methyl 5-(hydroxymethyl)-furan 3-carboxylate (**7**) recorded at 100 MHz in $CD_3OD$.

**Figure S8.** $^{1}$H NMR spectrum of methyl 5-(acetoxymethyl)furan-3-carboxylate (**9**) recorded at 400 MHz in $CD_3OD$.

**Figure S9.** $^{13}$C NMR spectrum of methyl 5-(acetoxymethyl)furan-3-carboxylate (**9**) recorded at 100 MHz in $CD_3OD$.

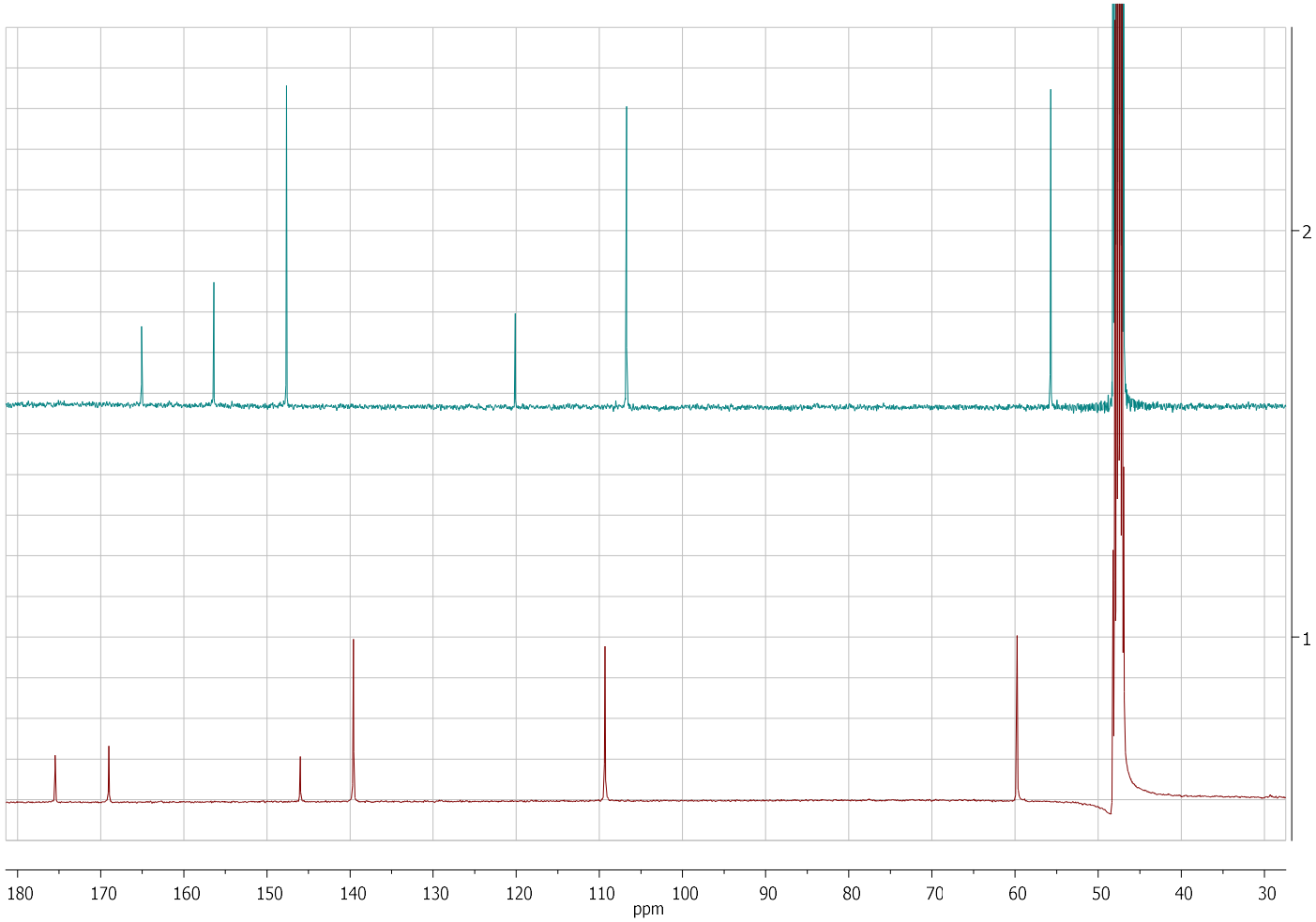


**Figure S1.** $^{13}C$ NMR spectra of KA (**1**, red) and 5-(hydroxymethyl)-furan 3-carboxylic acid (**2**, green) recorded at 100 MHz in $CD_3OD$.

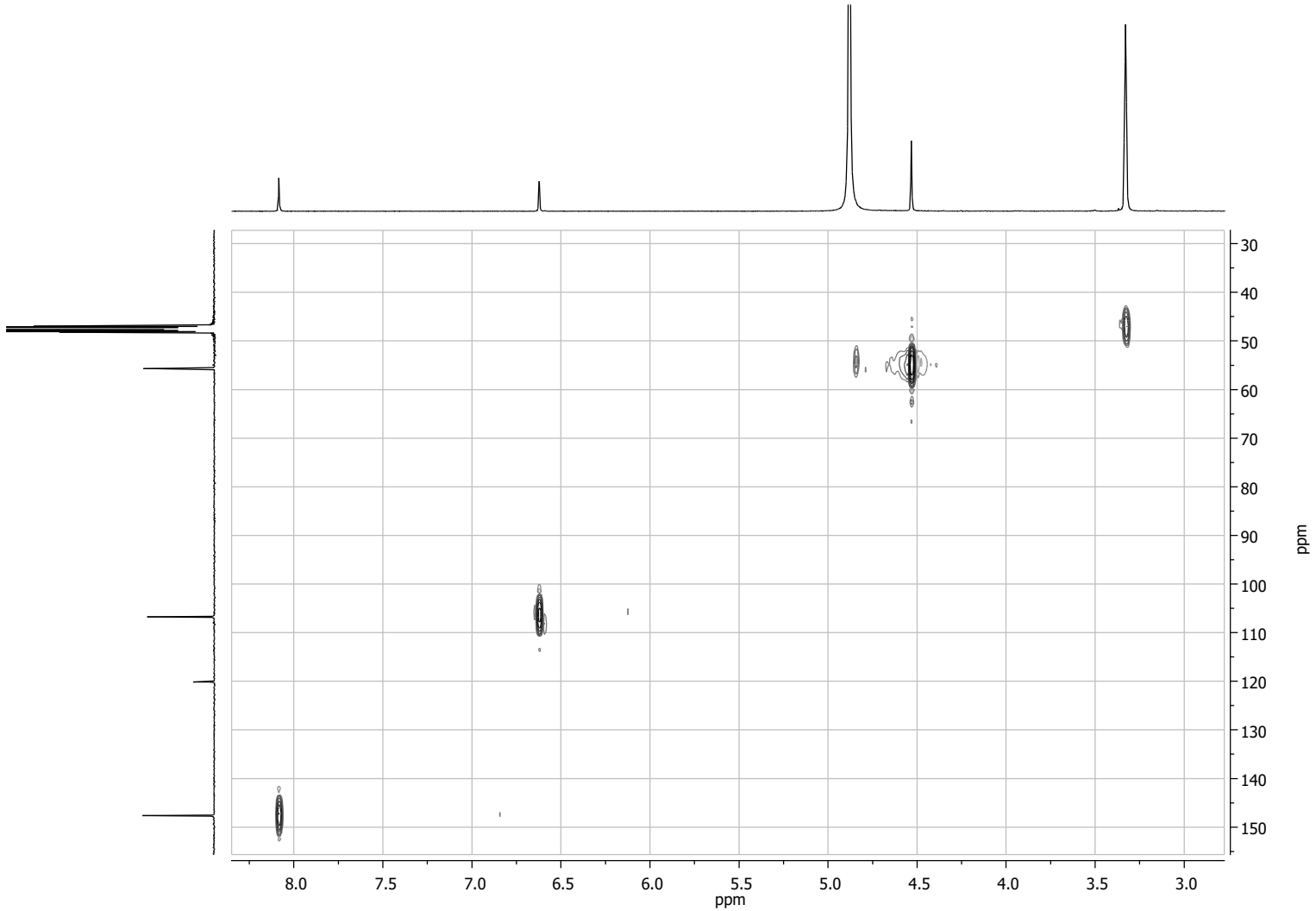


**Figure S2.** HSQC spectrum of 5-(hydroxymethyl)-furan 3-carboxylic acid (**2**), recorded in $CD_3OD$.

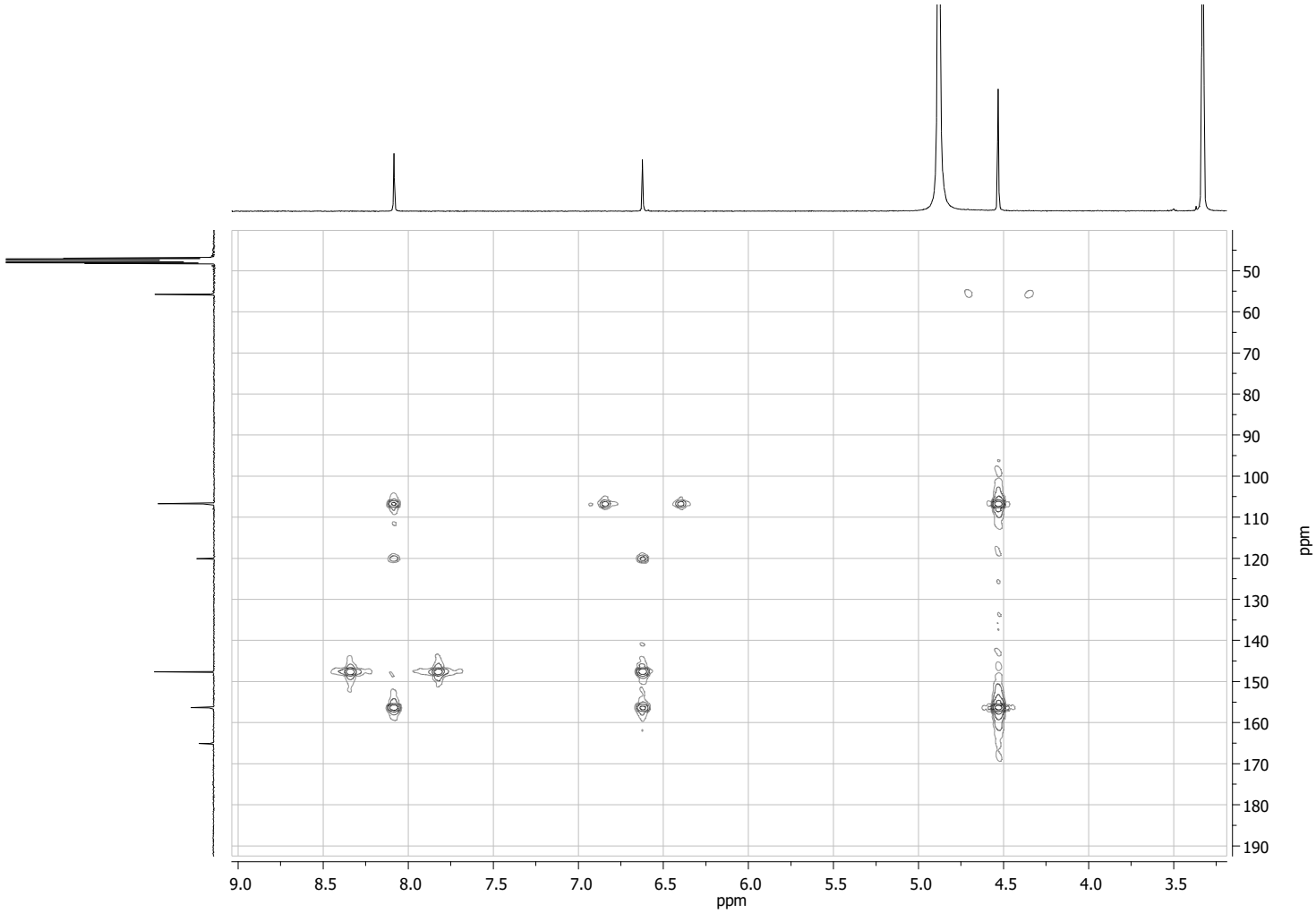


**Figure S3.** HMBC spectrum of 5-(hydroxymethyl)-furan 3-carboxylic acid (**2**), recorded in $CD_3OD$.

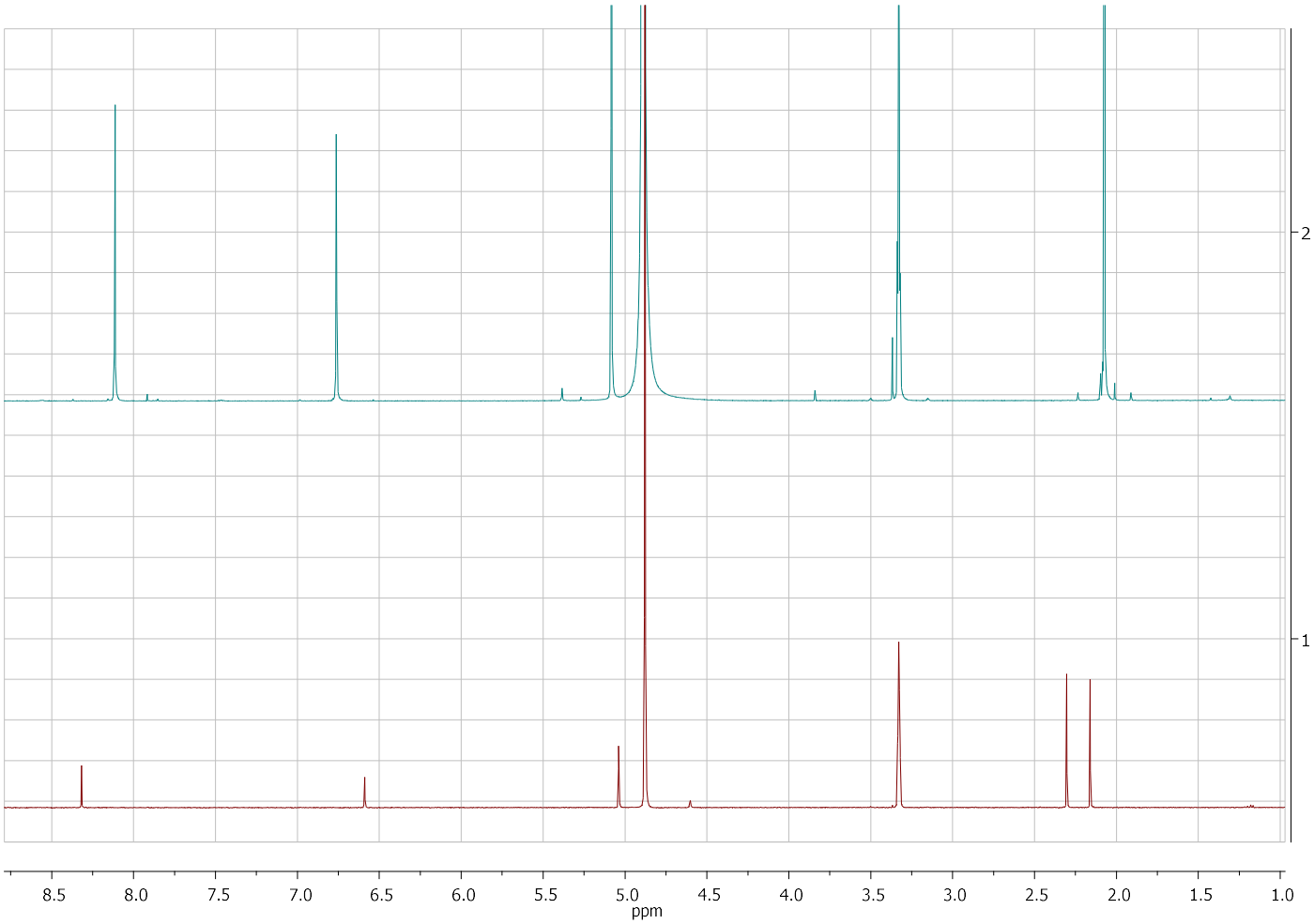


**Figure S4.** $^{1}$H NMR spectra of 5,7-*O,O′*-diacetylKA (**5**, red) and 5-(acetoxymethyl)-furan 3-carboxylic acid (**4**, green) recorded at 400 MHz in $CD_3OD$.

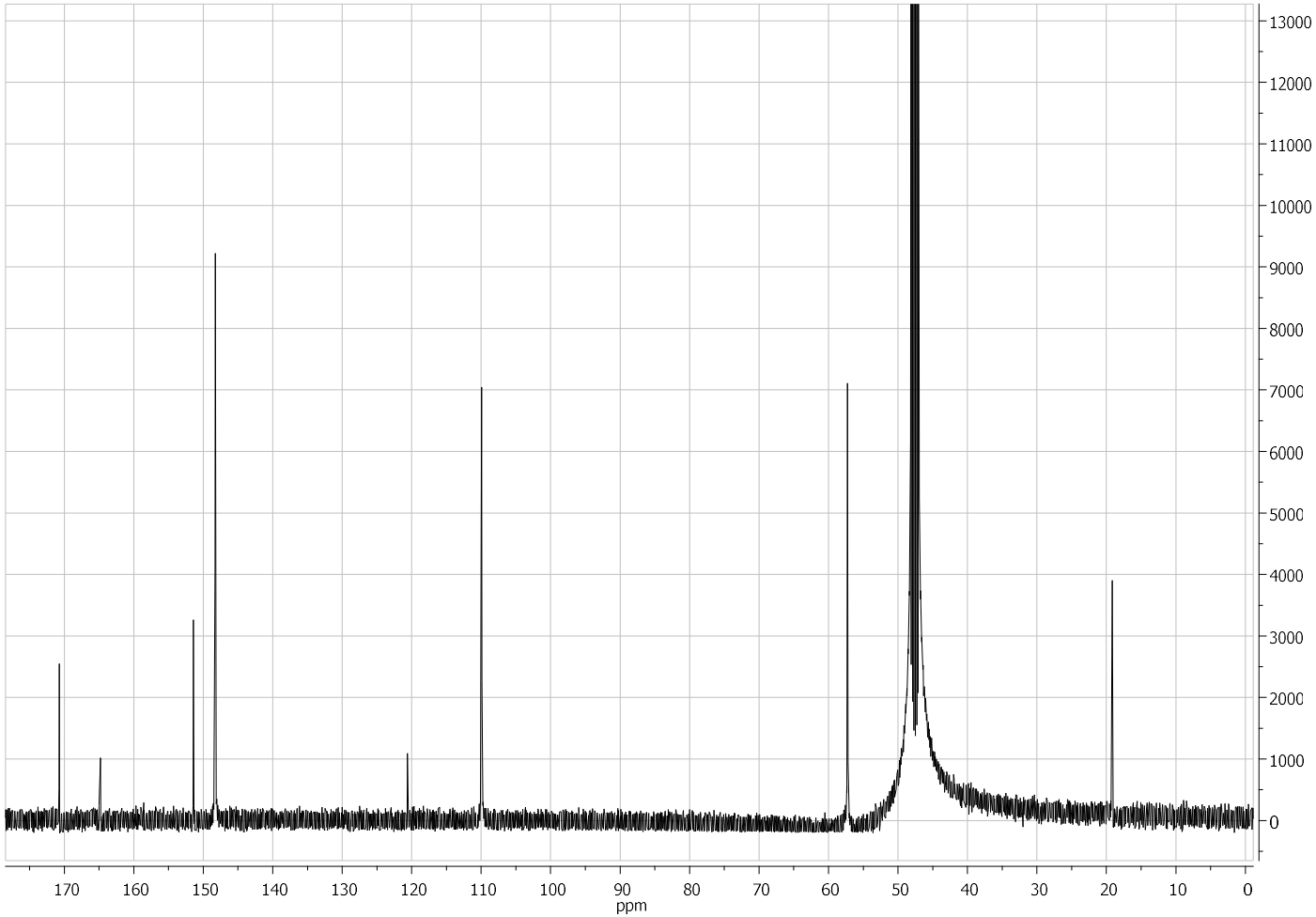


**Figure S5.** $^{13}C$ NMR spectrum of 5-(acetoxymethyl)-furan 3-carboxylic acid (**4**) recorded at 100 MHz in $CD_3OD$.

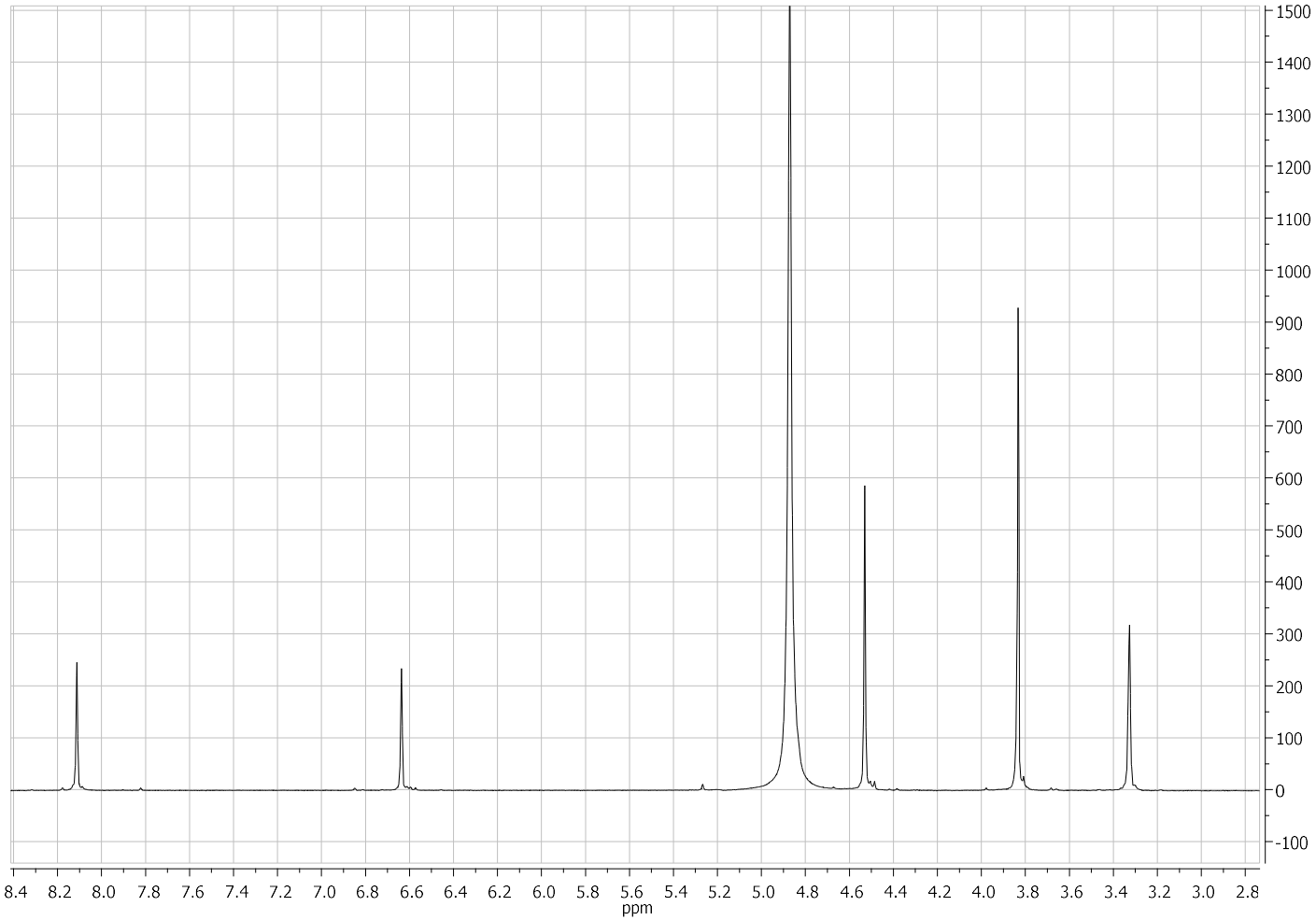


**Figure S6.** $^{1}$H NMR spectrum of methyl 5-(hydroxymethyl)furan-3-carboxylate (**7**) recorded at 400 MHz in $CD_3OD$.

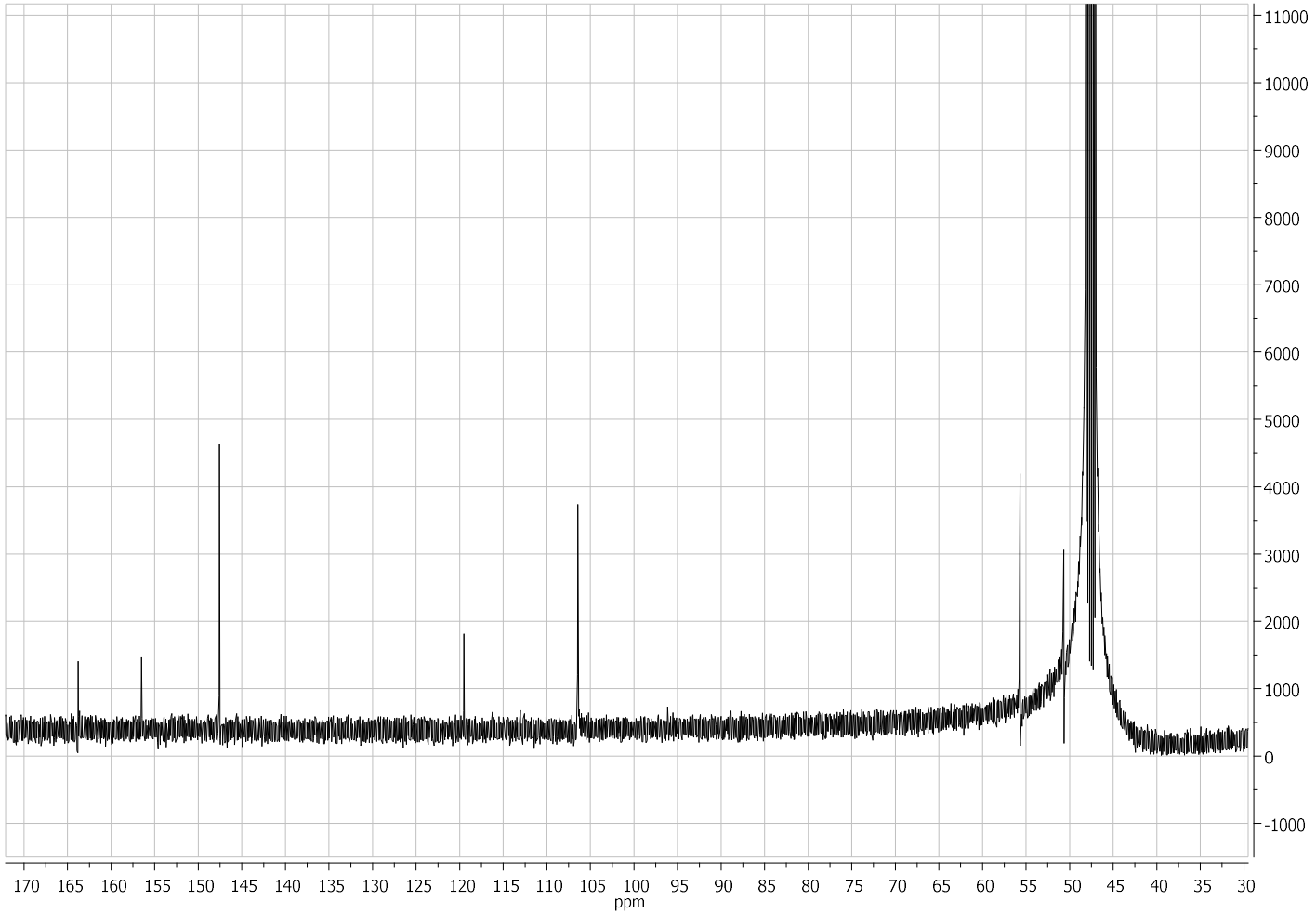


**Figure S7.** $^{13}C$ NMR spectrum of methyl 5-(hydroxymethyl)-furan 3-carboxylate (**7**) recorded at 100 MHz in $CD_3OD$.

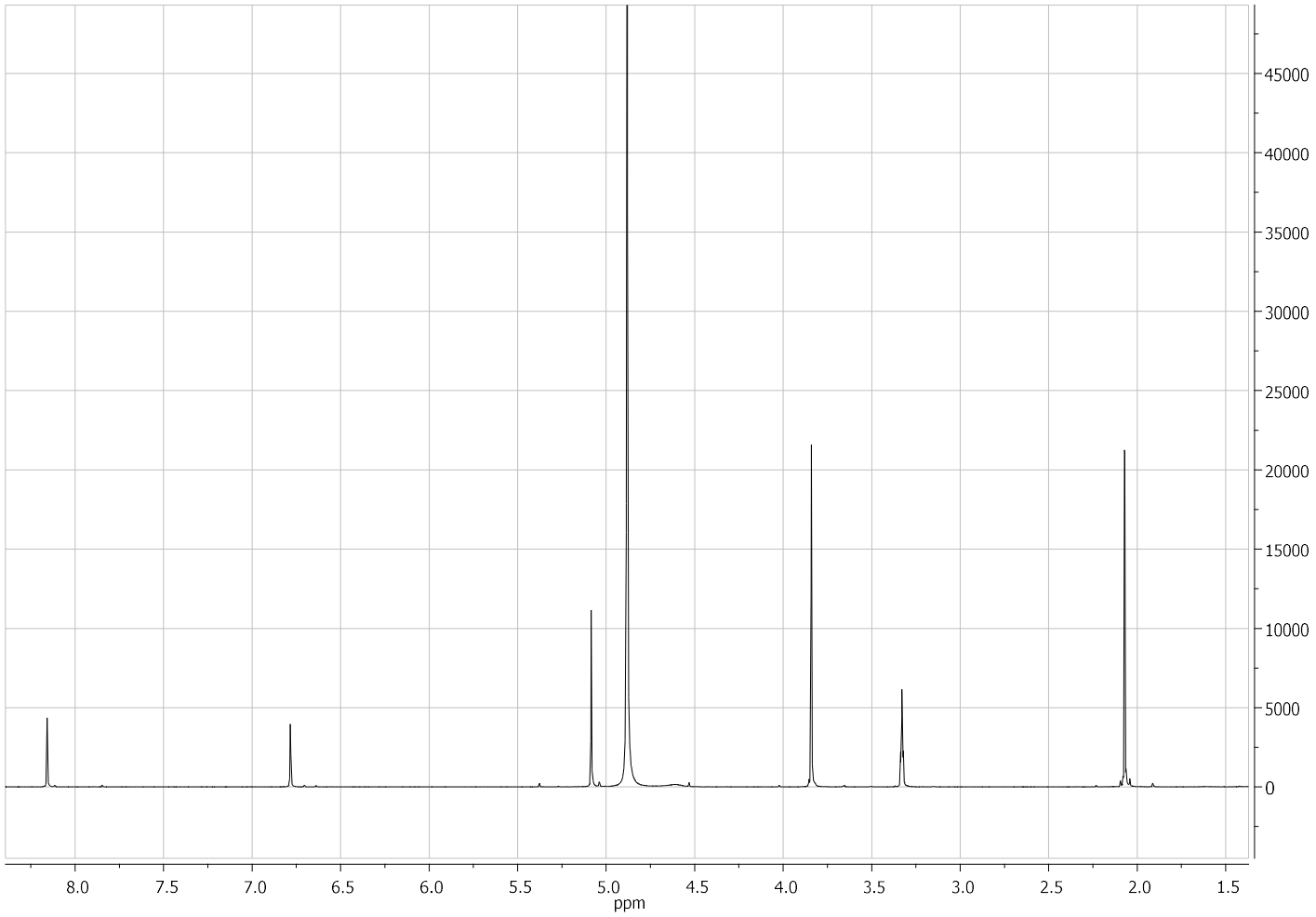


**Figure S8.** $^{1}$H NMR spectrum of methyl 5-(acetoxymethyl)furan-3-carboxylate (**9**) recorded at 400 MHz in $CD_3OD$.

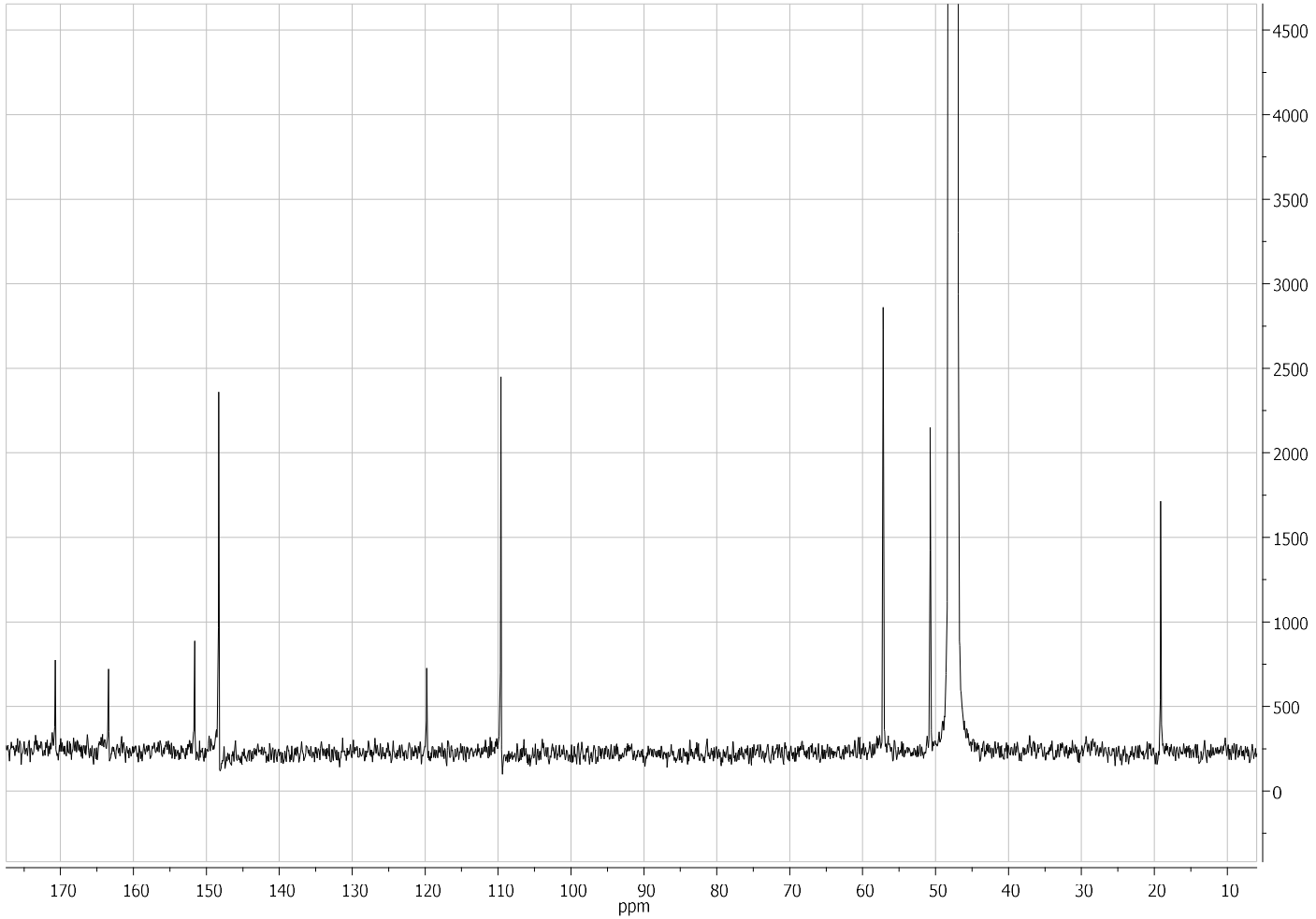


**Figure S9.** $^{13}C$ NMR spectrum of methyl 5-(acetoxymethyl)furan-3-carboxylate (**9**) recorded at 100 MHz in $CD_3OD$.