Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Electronic Supplementary Information

1-Ethyl-3-methylimidazolium tartrate chiral ionic liquids: preparation, characterization and opportunities thereof

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New Journal of Chemistry

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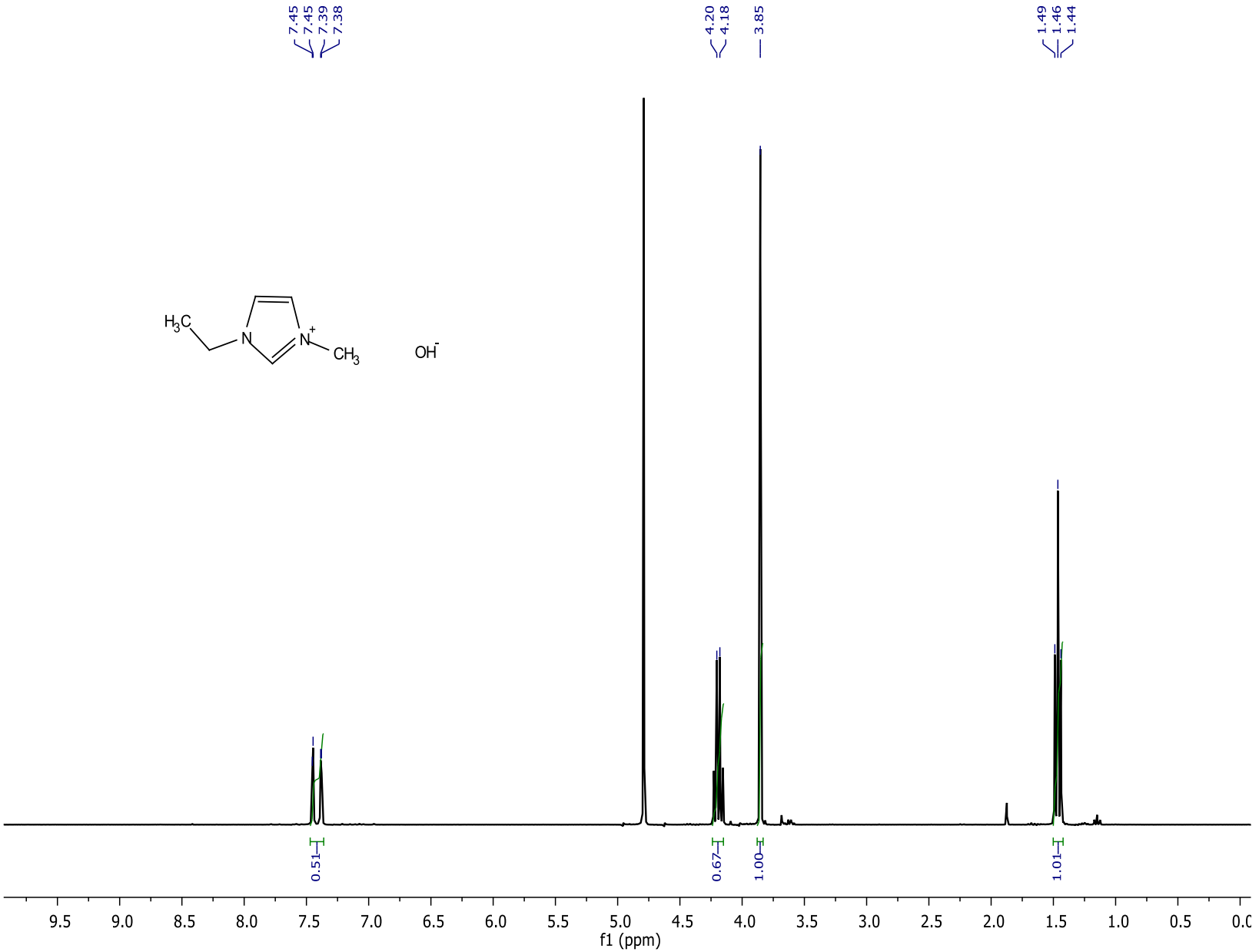
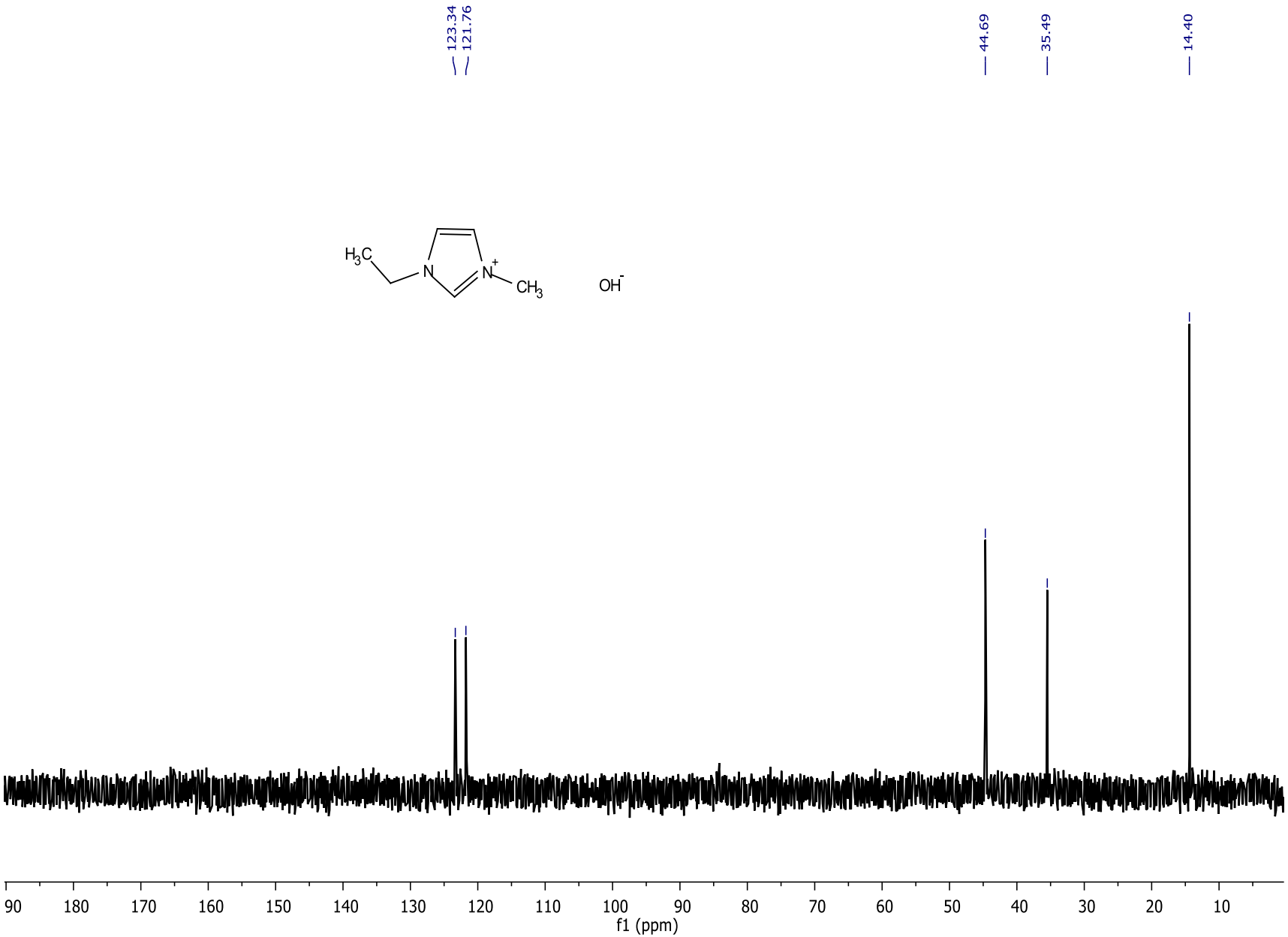
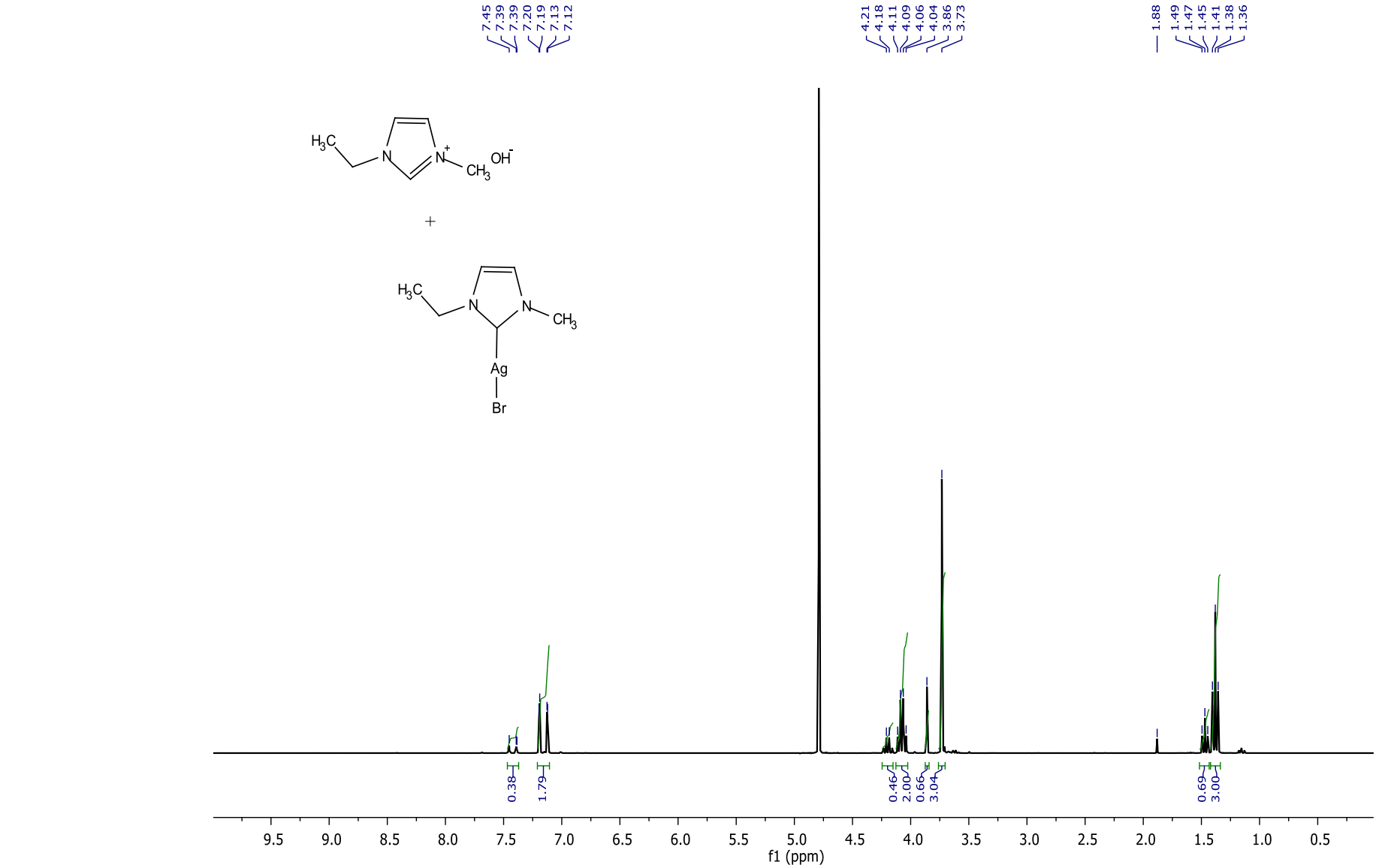


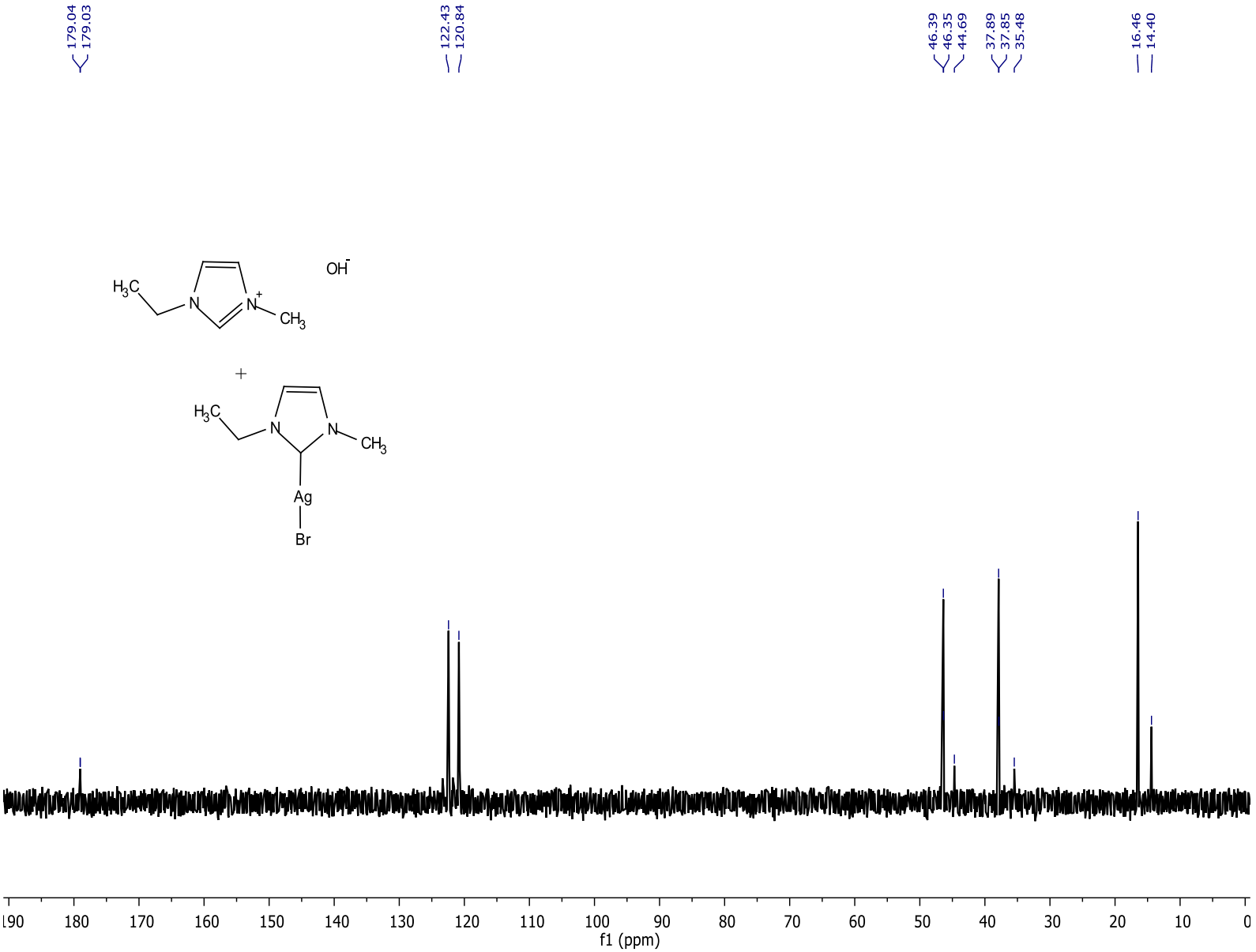
^{1}H-NMR (300 MHz, D_2O) of [EMIM]OH



^{13}C-NMR (75 MHz, D_2O) of [EMIM]OH



^{1}H-NMR (300 MHz, D_2O) of a crude mixture of [EMIM]Br + AgOH (1.5 equiv.) after 5h at rt



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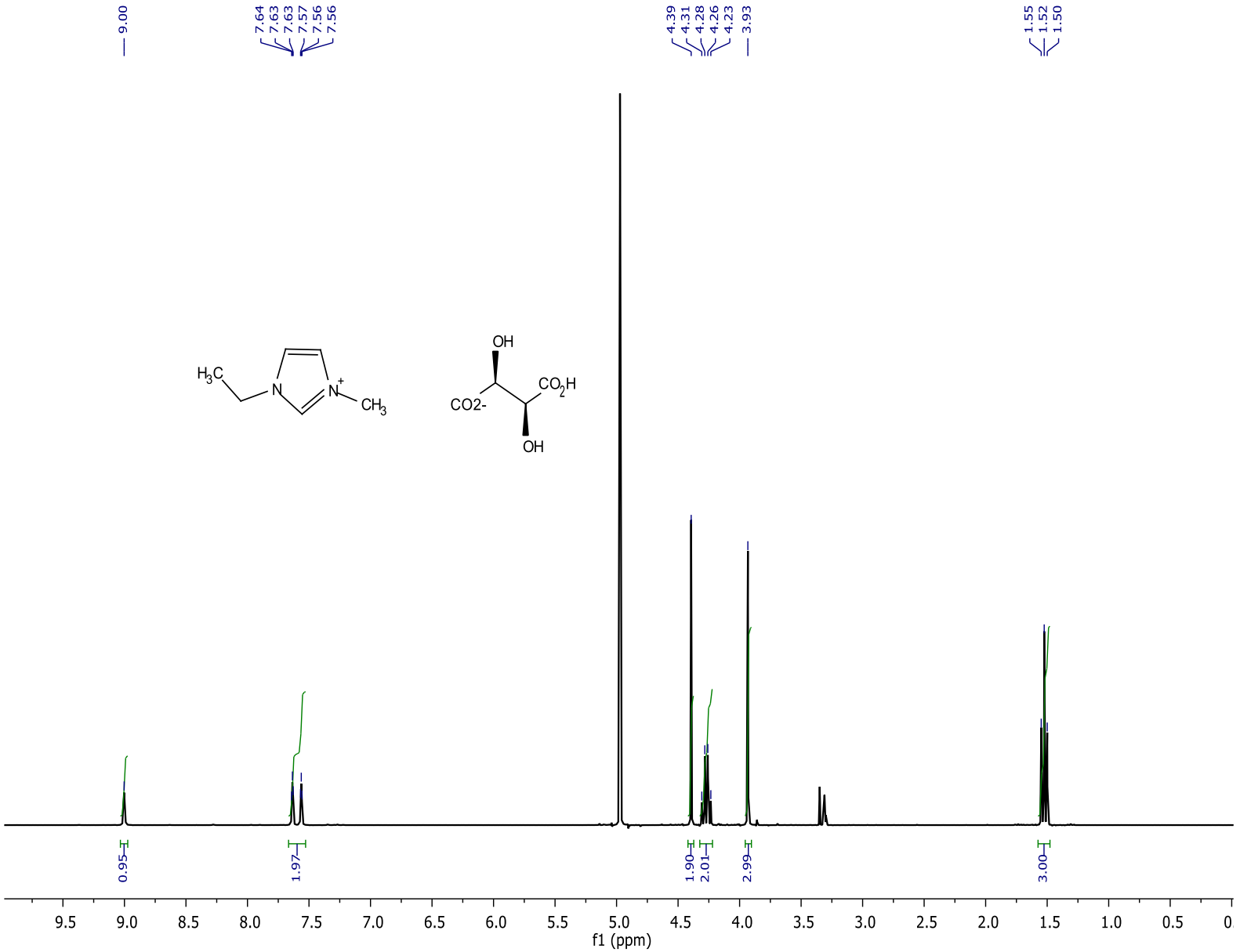
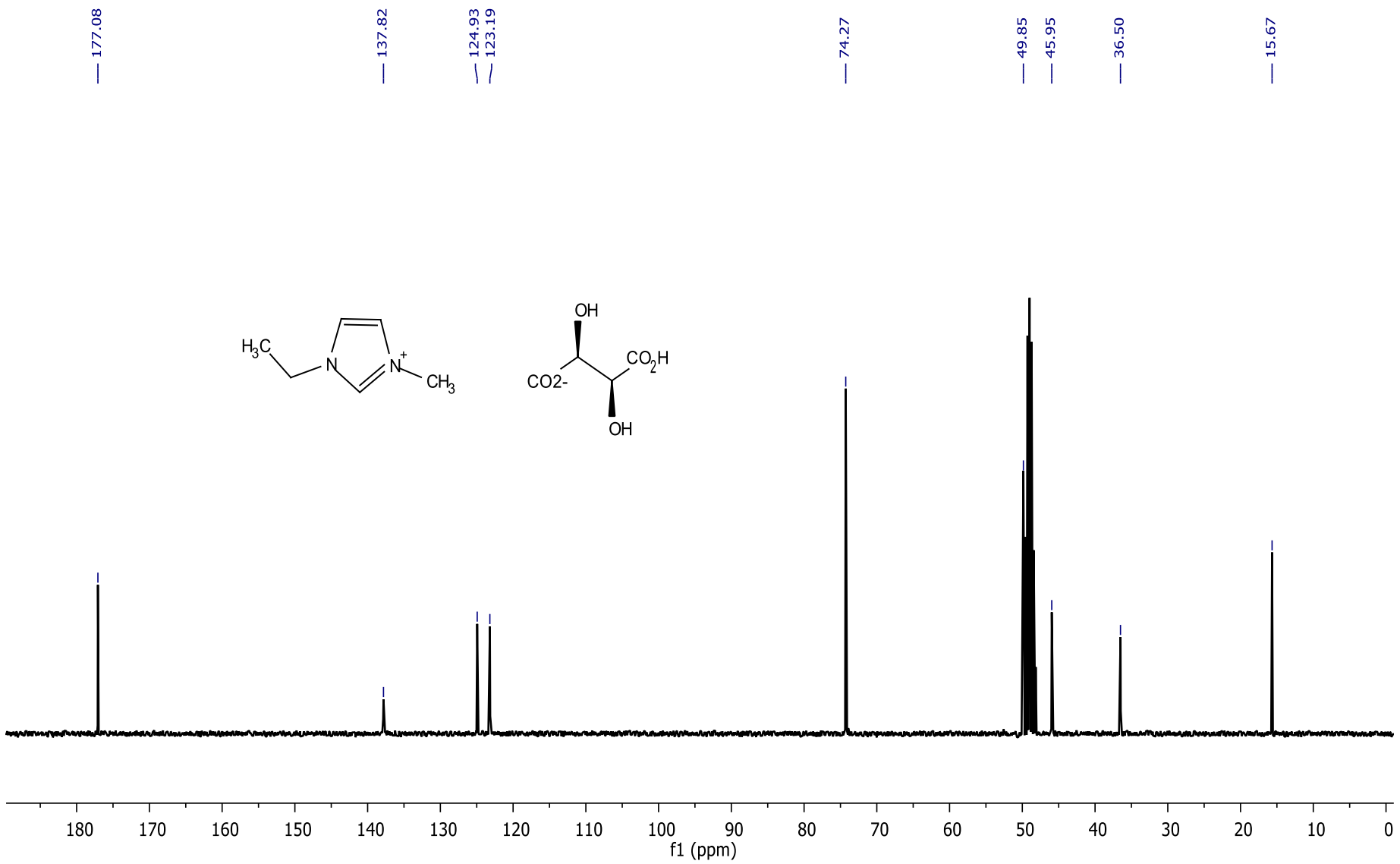


^{1}H-NMR (300 MHz, CD_3OD) of [EMIM](2*S*,3*S*)-HTar, (-)-1



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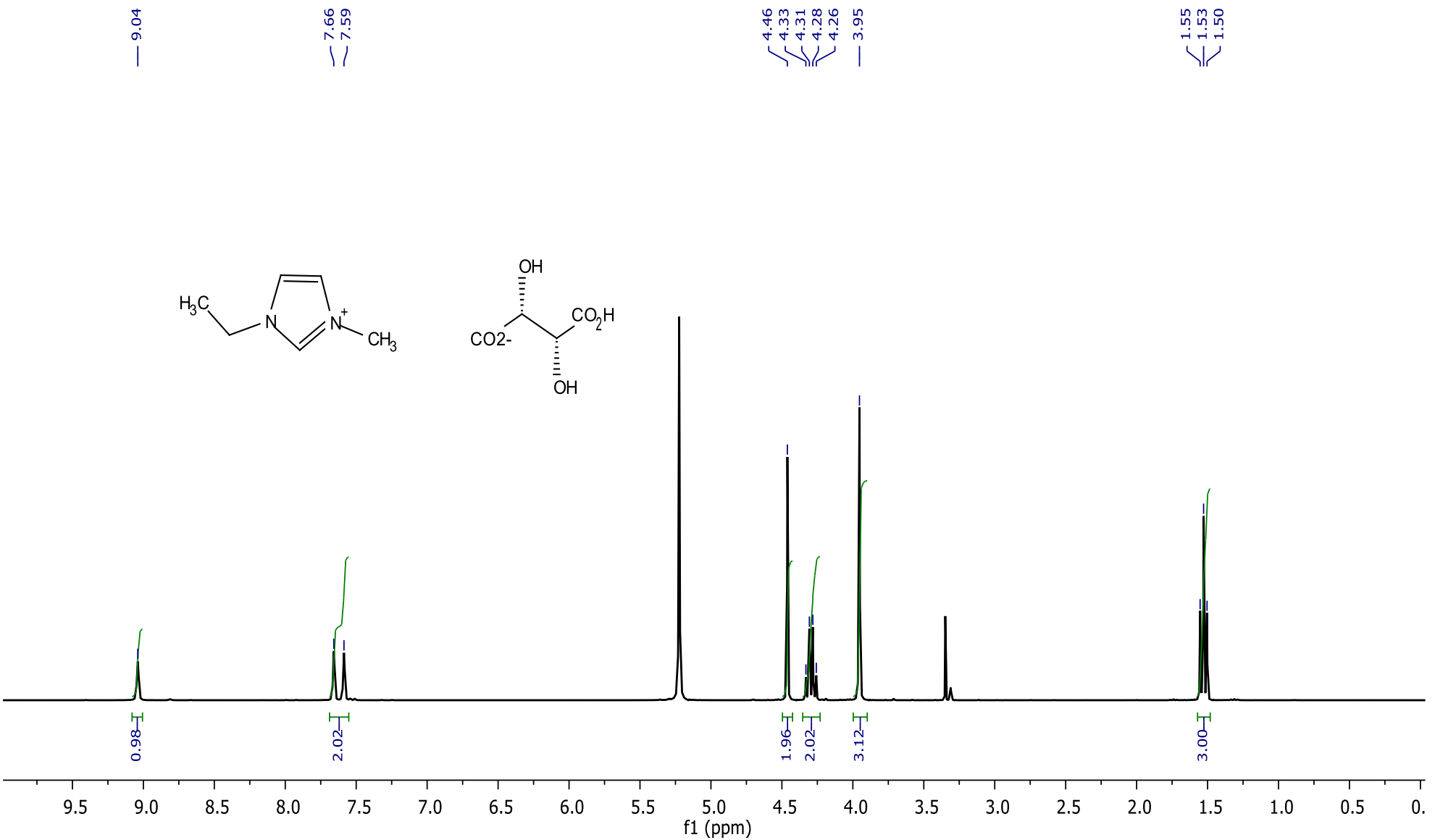
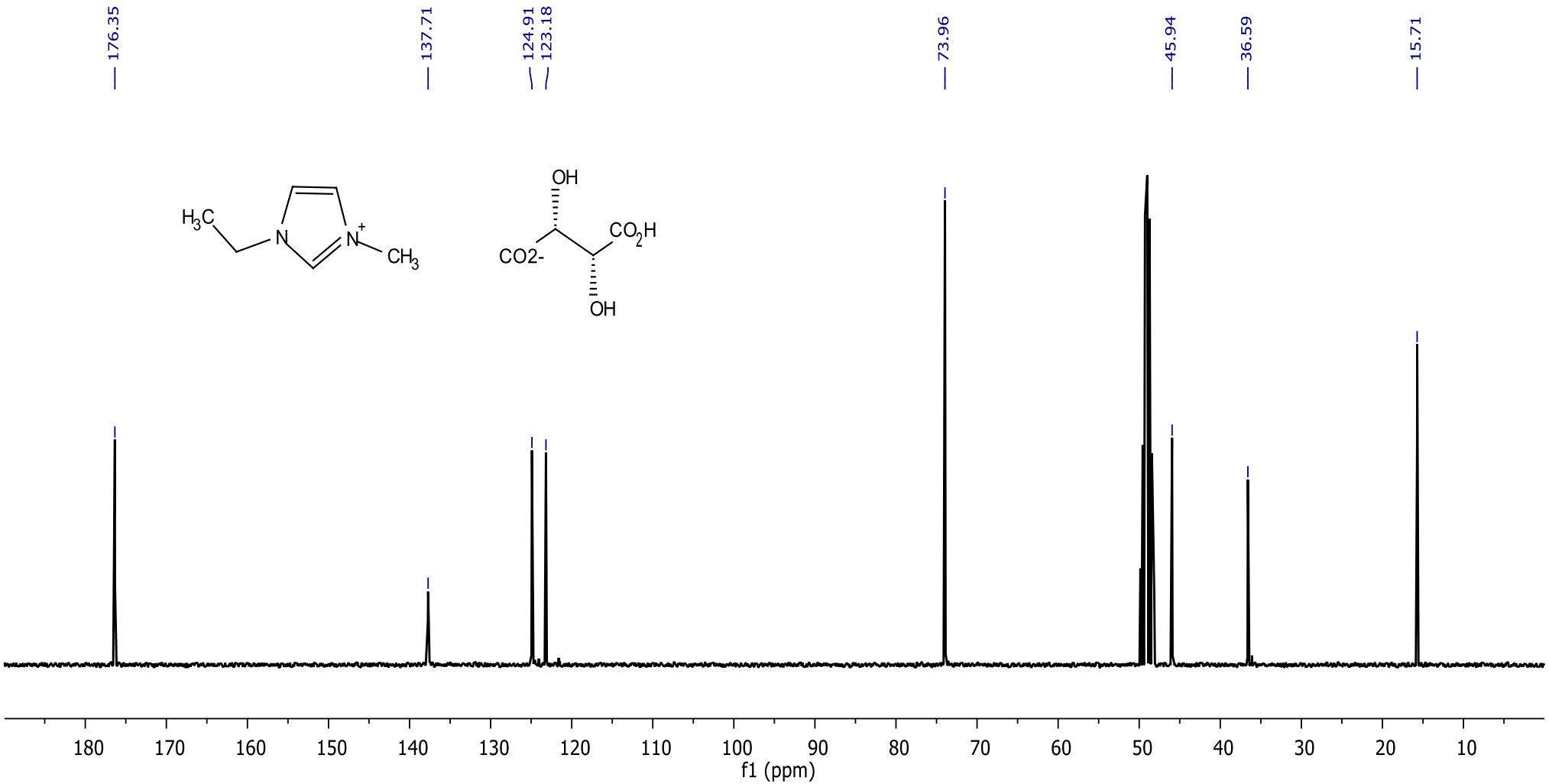


^{1}H-NMR (300 MHz, CD_3OD) of [EMIM](2*R*,3*R*)-HTar, (+)-1



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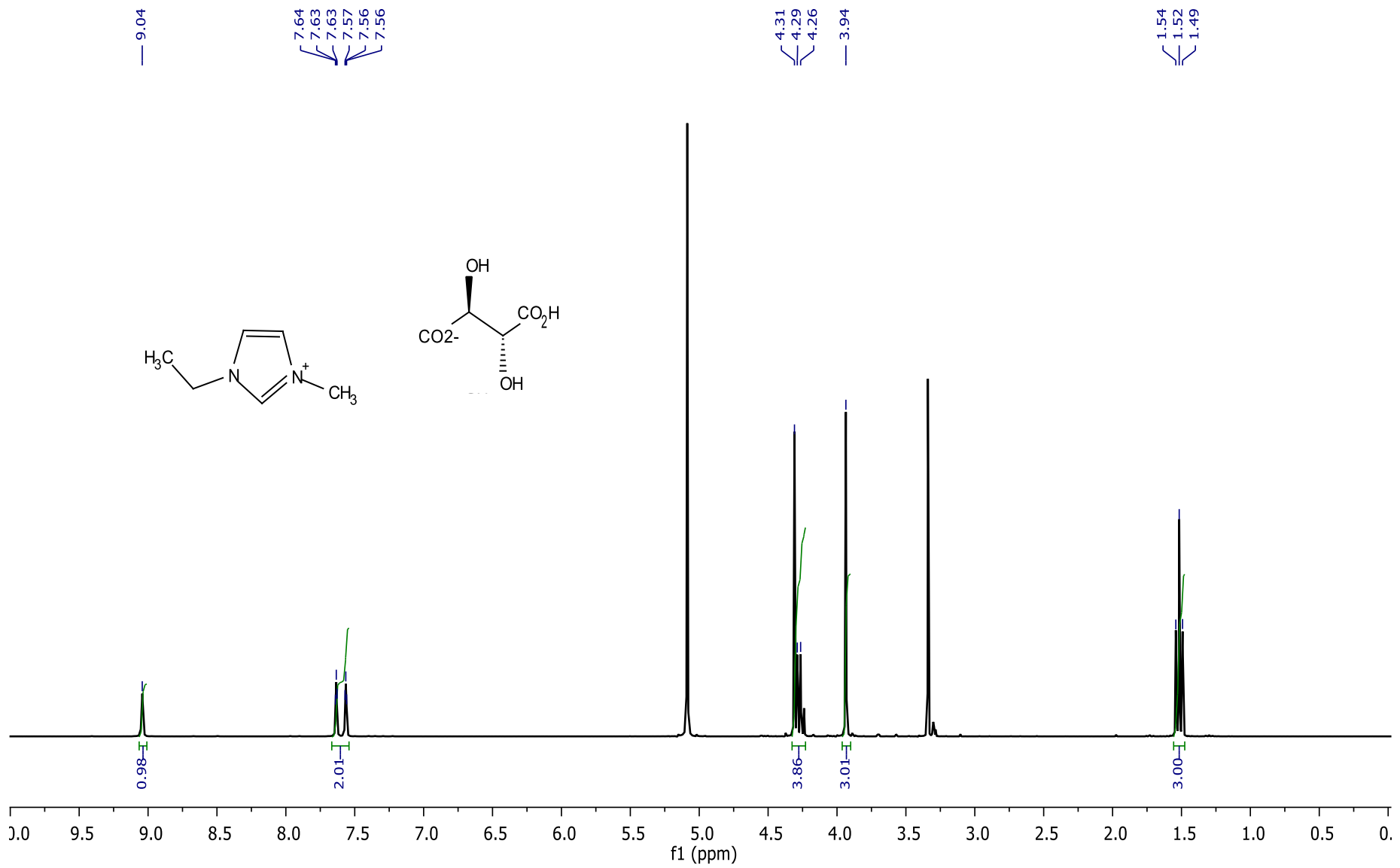
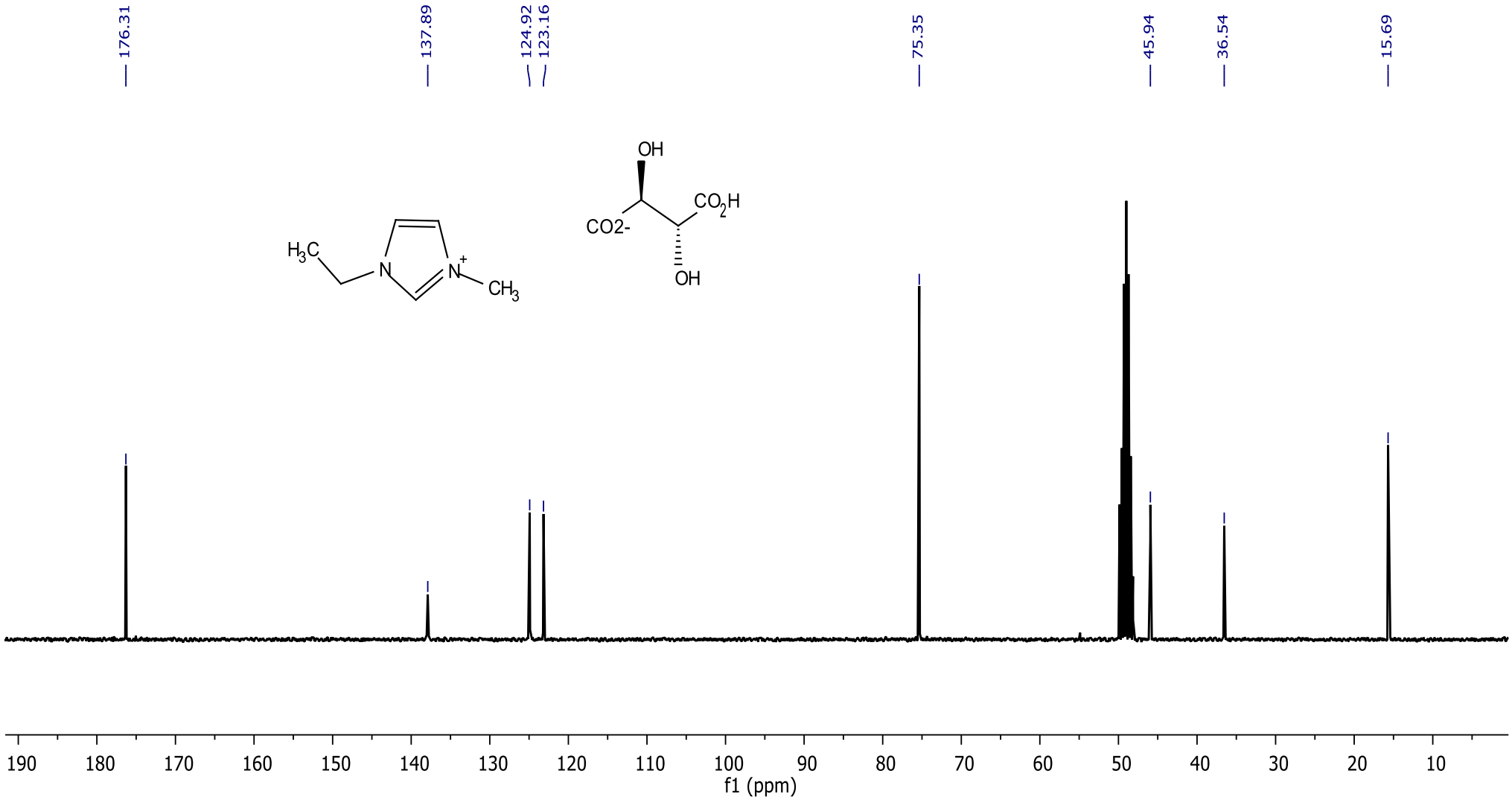


^{1}H-NMR (300 MHz, CD_3OD) of [EMIM]*rac*-HTar, (*rac*)-1



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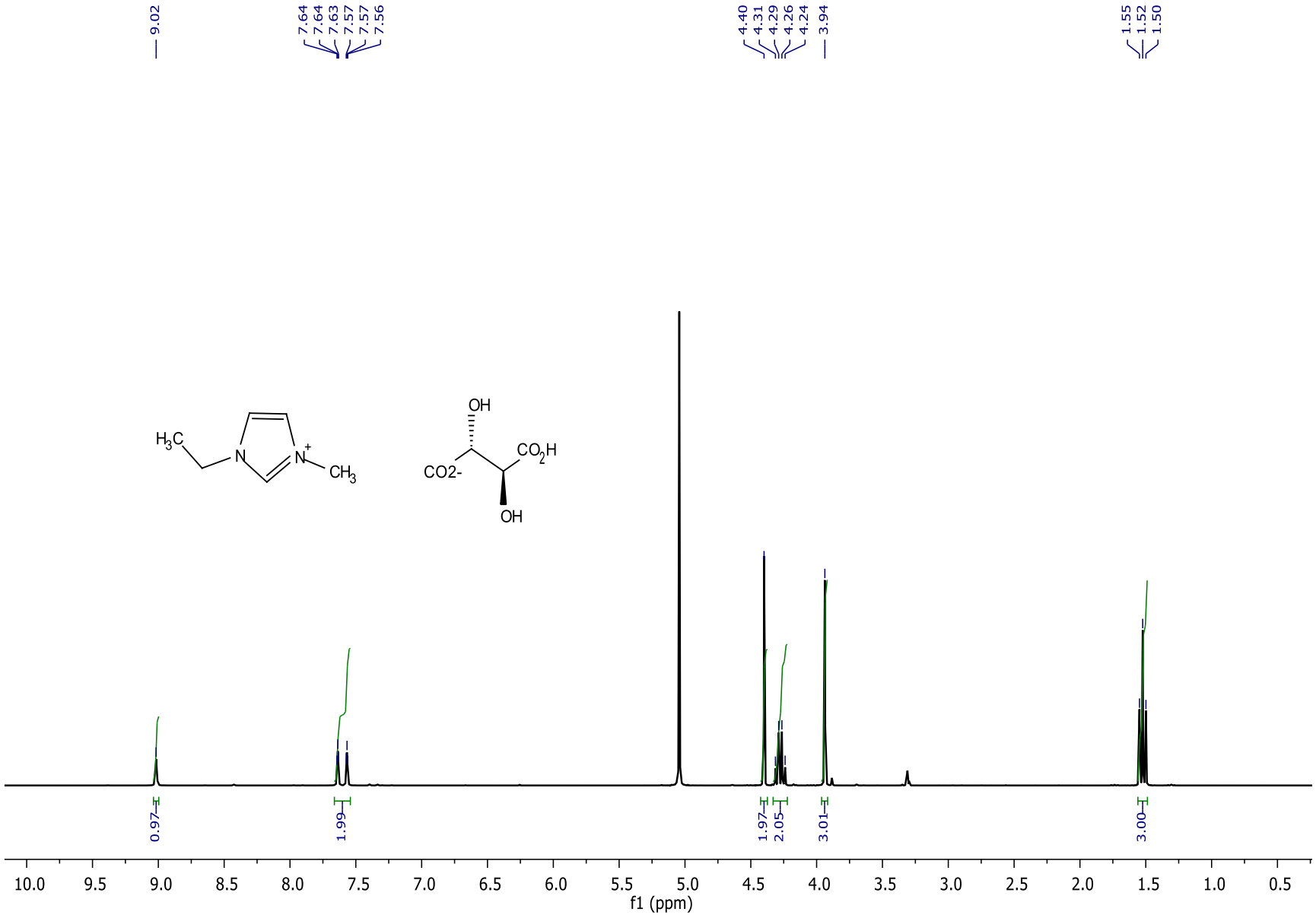
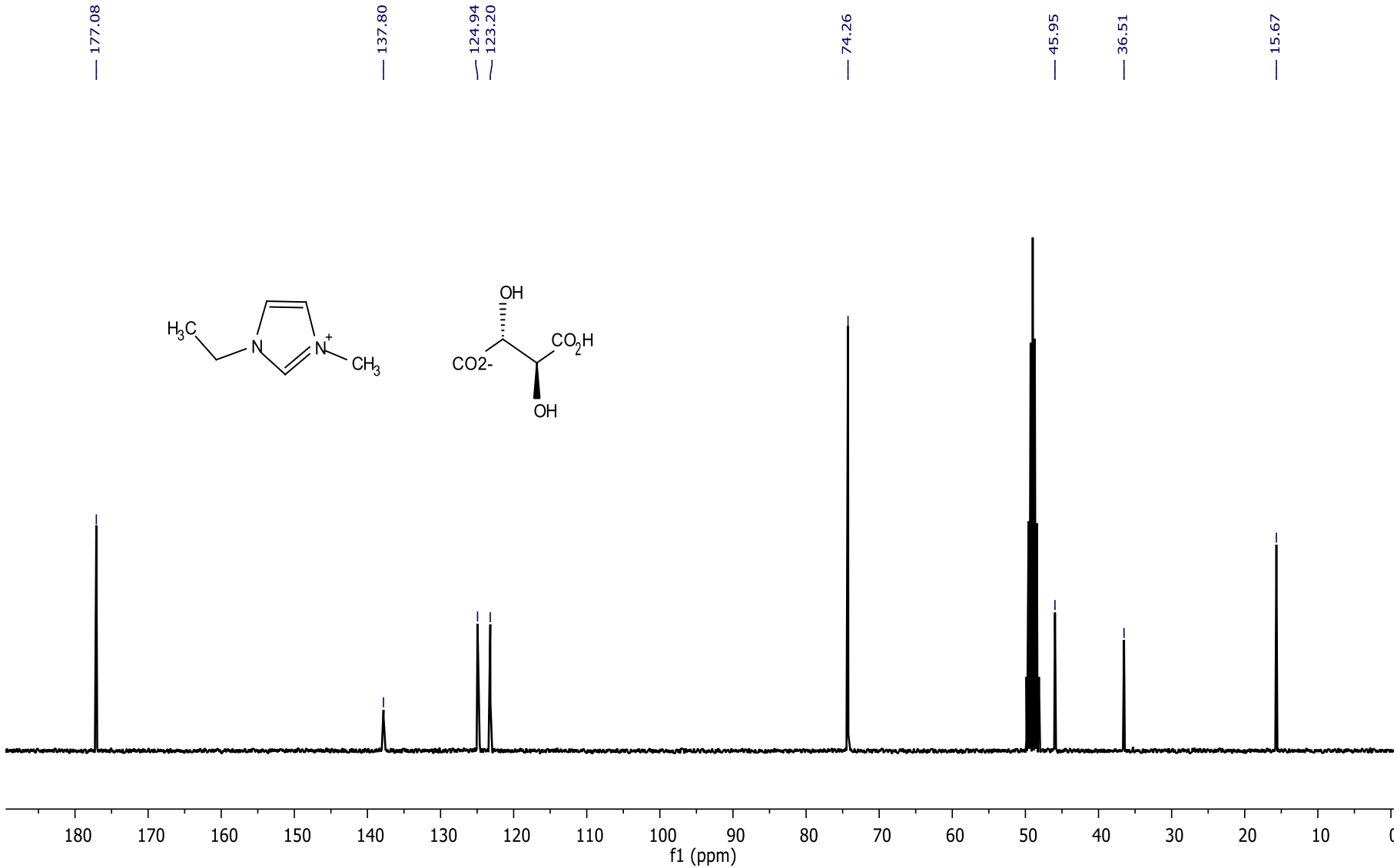


^{1}H-NMR (300 MHz, CD_3OD) of [EMIM]*meso*-HTar, *meso*-1



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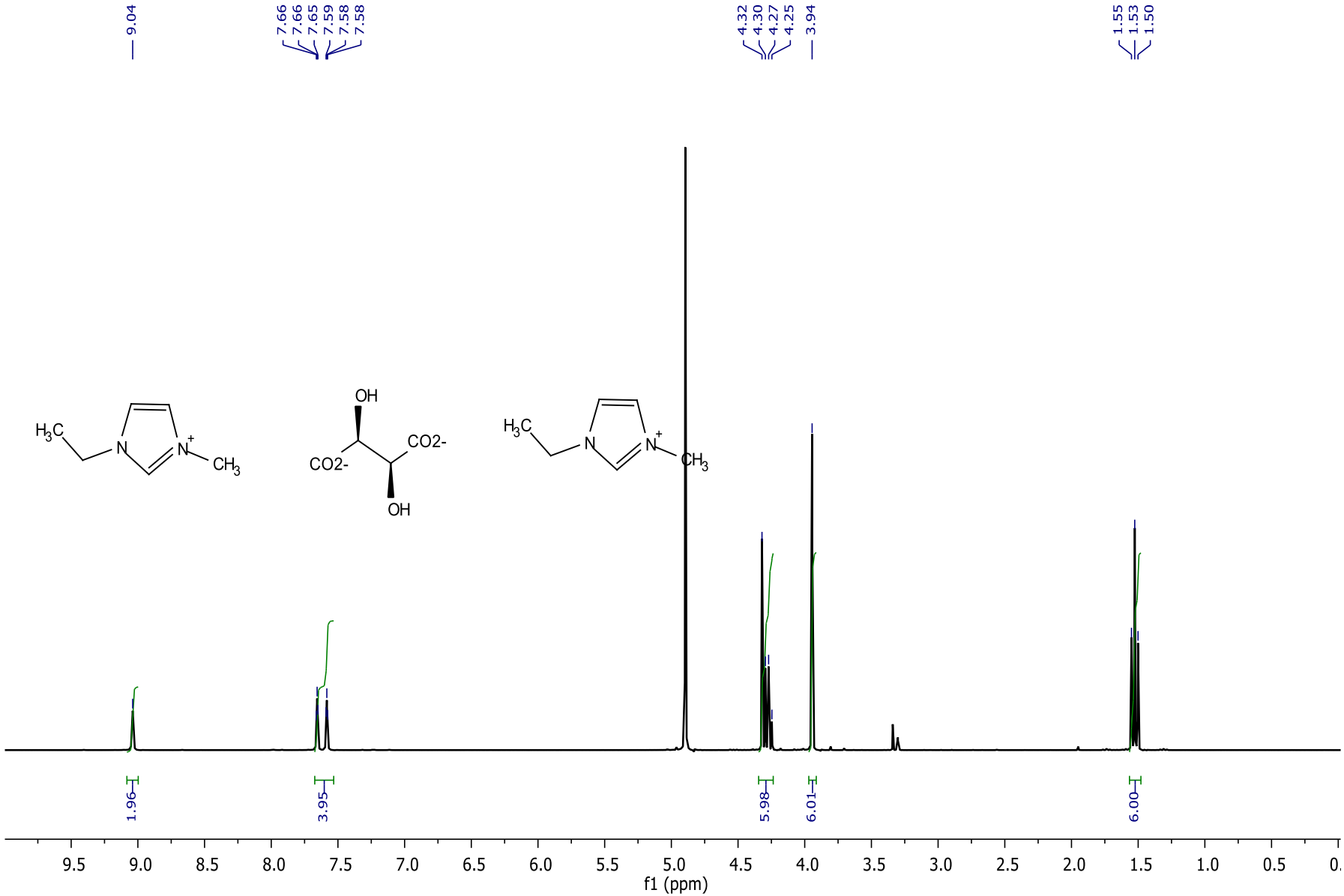
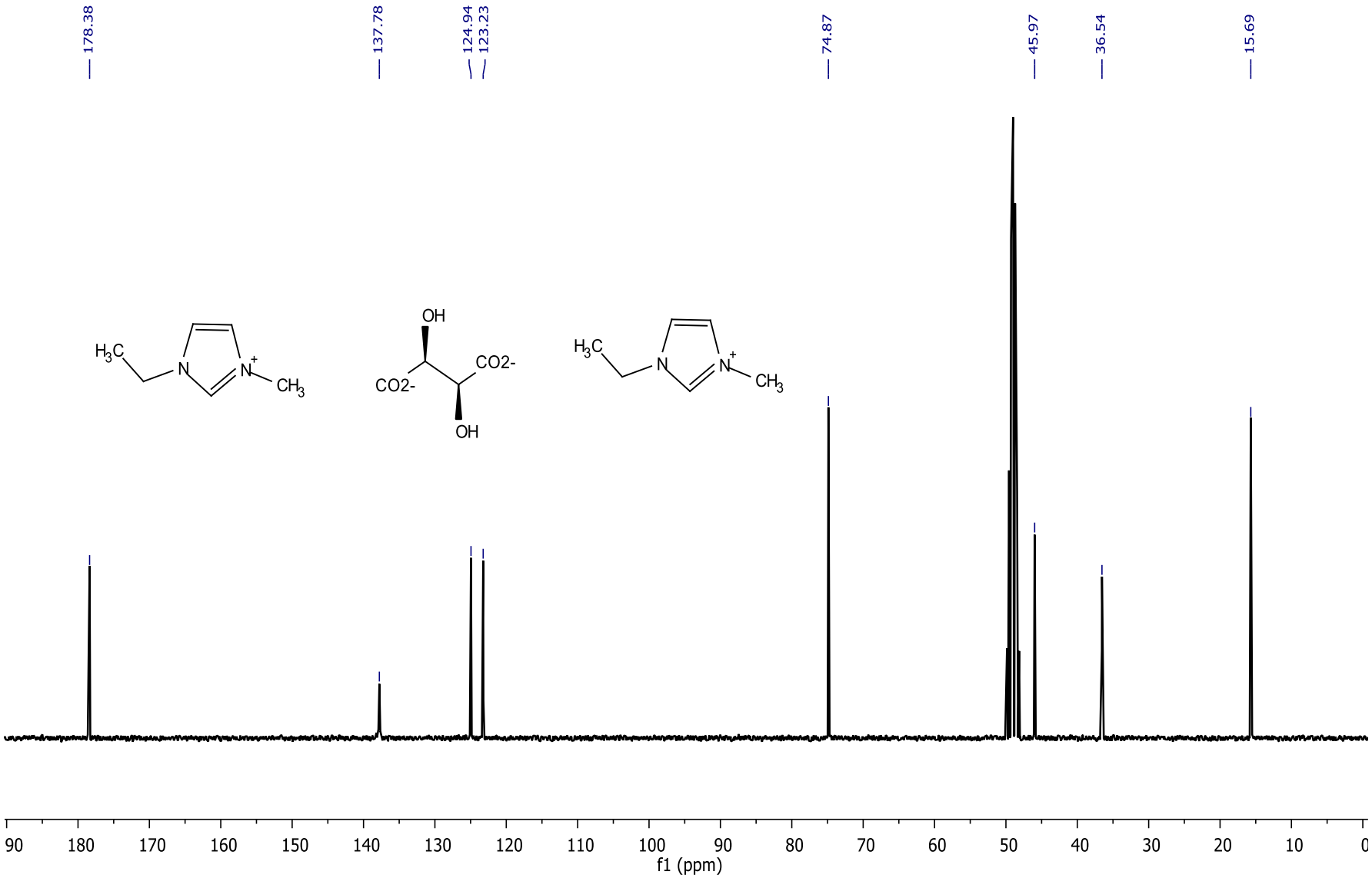
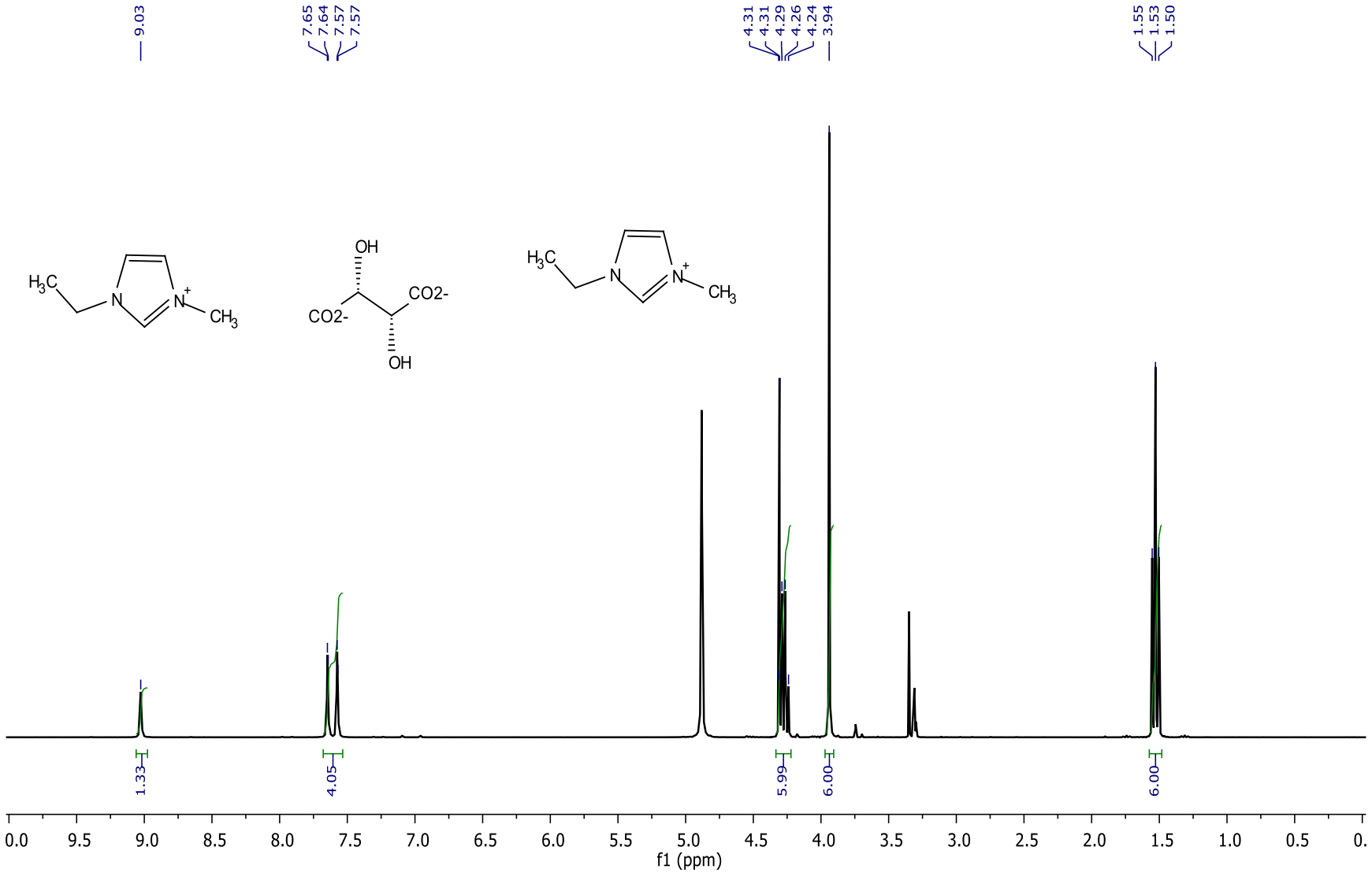


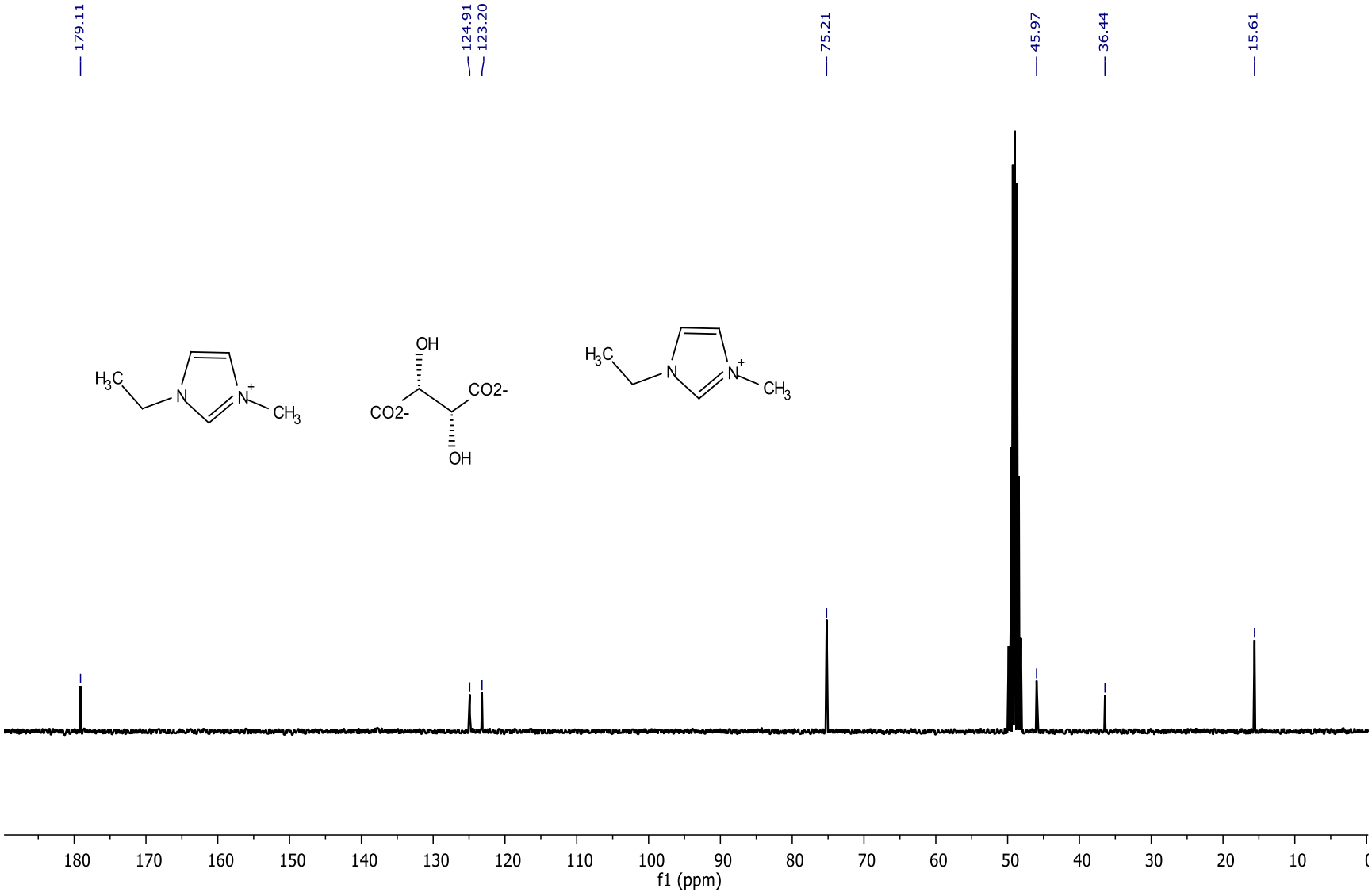
^{1}H-NMR (300 MHz, CD_3OD) of $[EMIM]_2$(2*S*,3*S*)-Tar, (-)-2



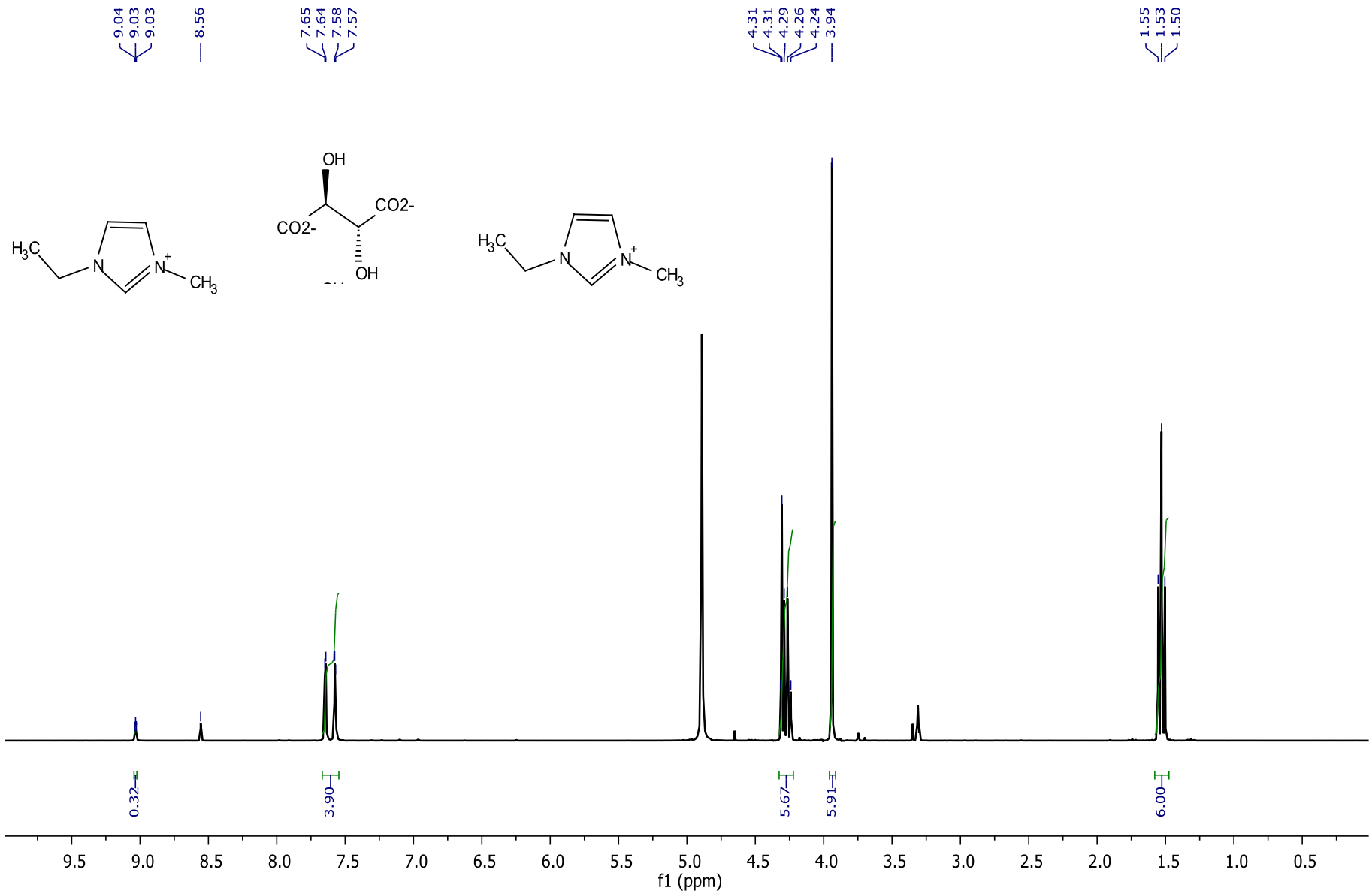
^{13}C-NMR (75 MHz, CD_3OD) of $[EMIM]_2$(2*S*,3*S*)-Tar, (-)-2



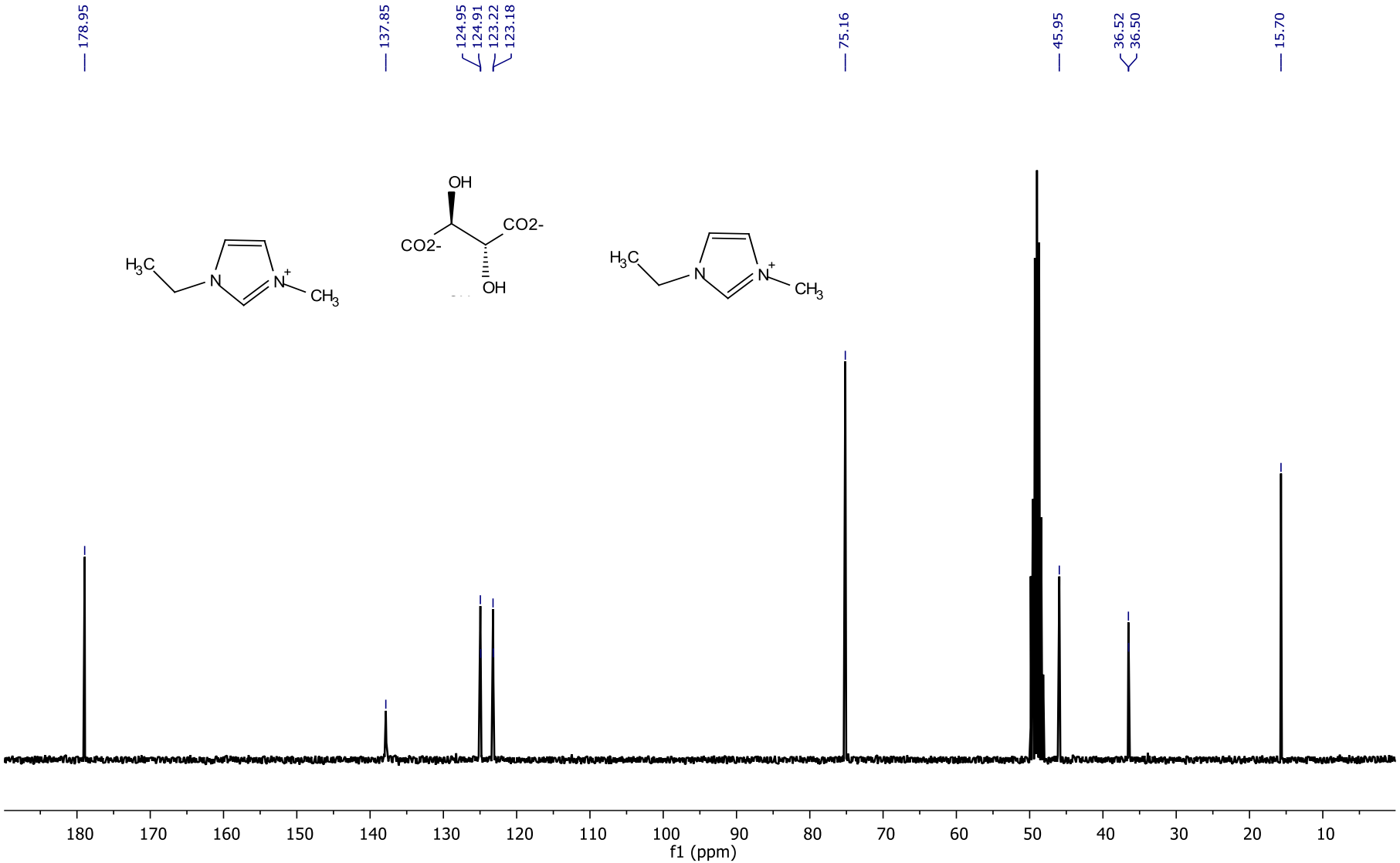
^{1}H-NMR (300 MHz, CD_3OD) of $[EMIM]_2$(2*R*,3*R*)-Tar, (+)-2



^{13}C-NMR (75 MHz, CD_3OD) of $[EMIM]_2$(2*R*,3*R*)-Tar, (+)-2



^{1}H-NMR (300 MHz, CD_3OD) of $[EMIM]_2$*rac*-Tar, (*rac*)-2



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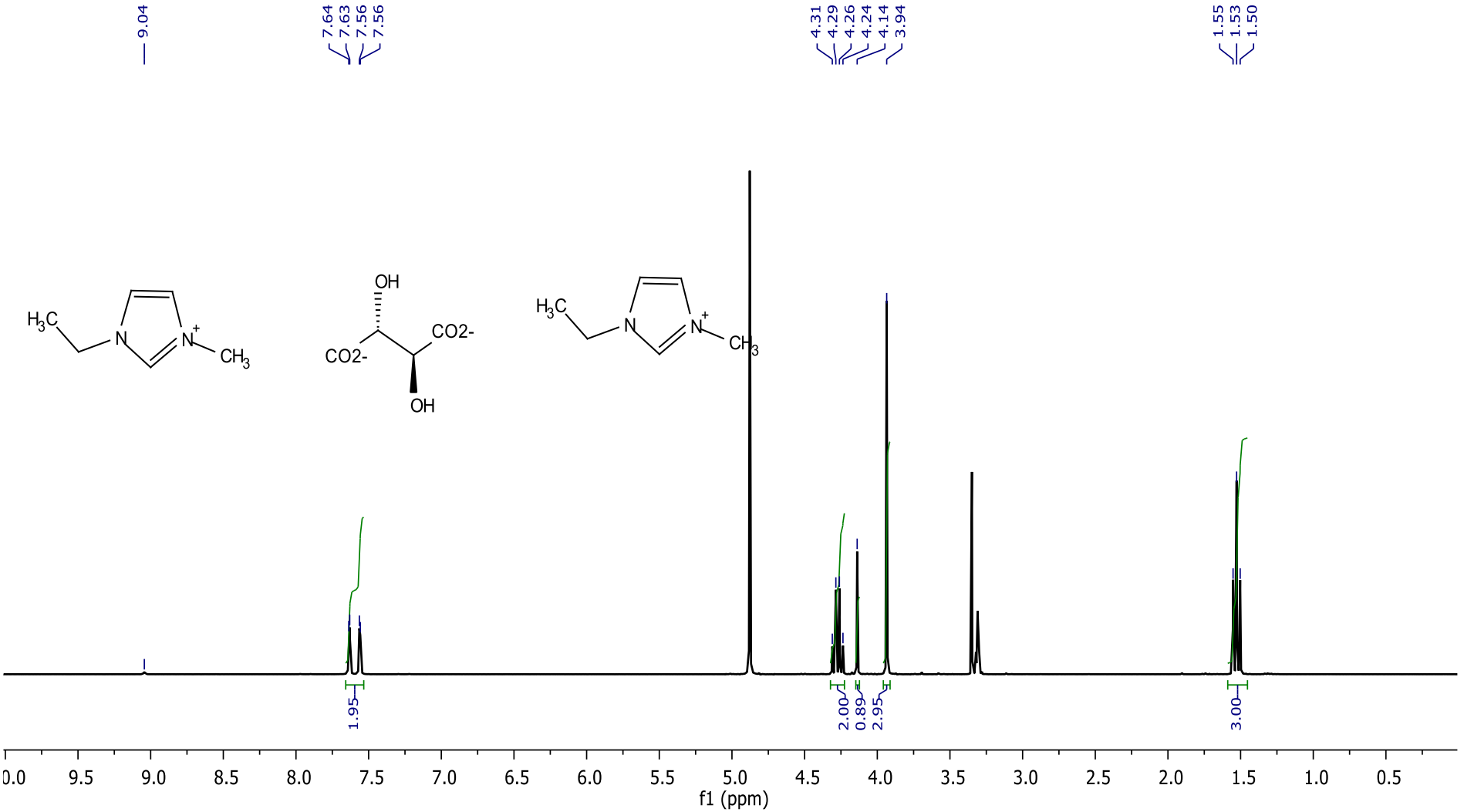
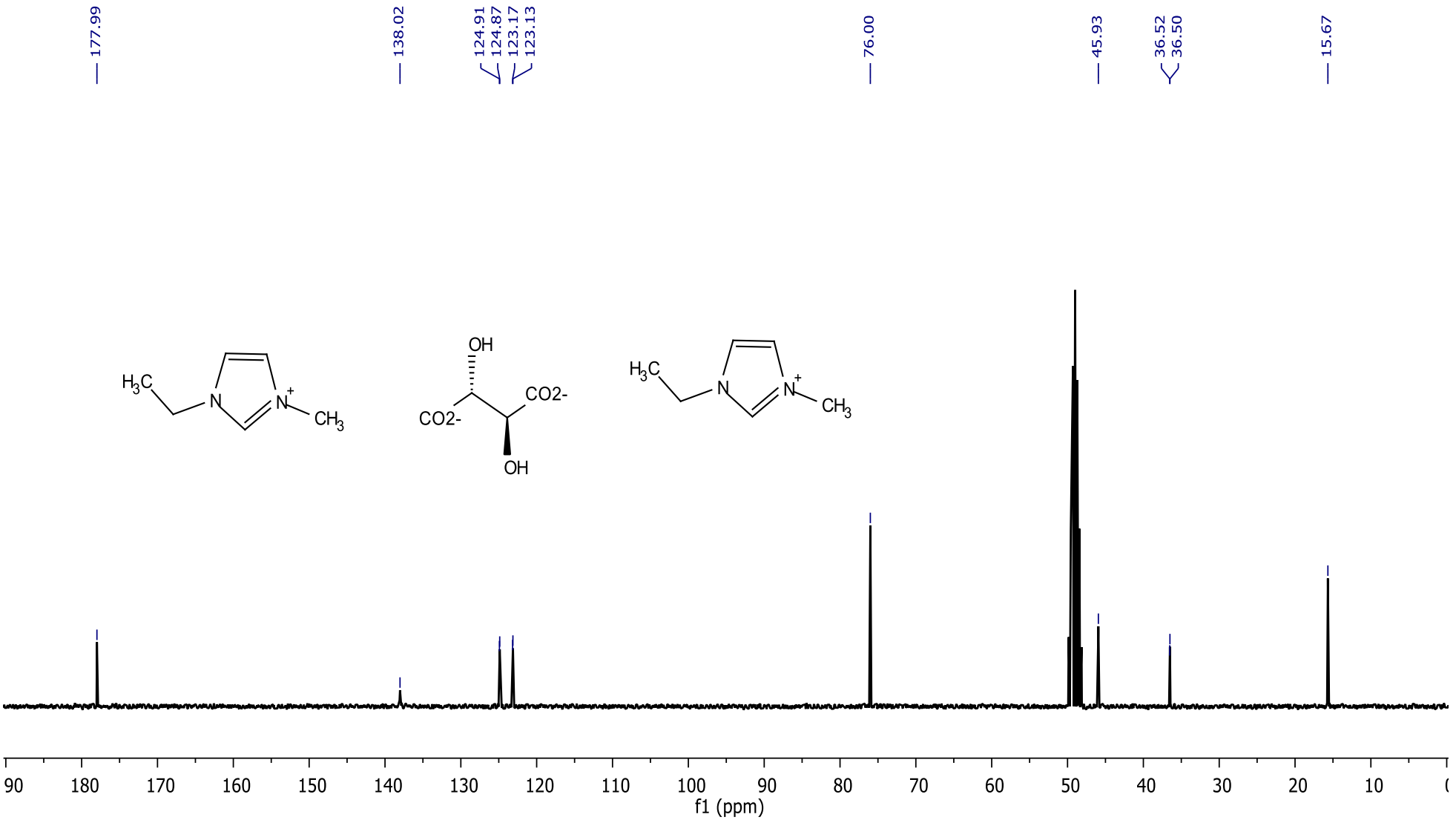


^{1}H-NMR (300 MHz, CD_3OD) of $[EMIM]_2$*meso*-Tar, *meso*-2



^{13}C-NMR (75 MHz, CD_3OD) of $[EMIM]_2$*meso*-Tar, *meso*-2

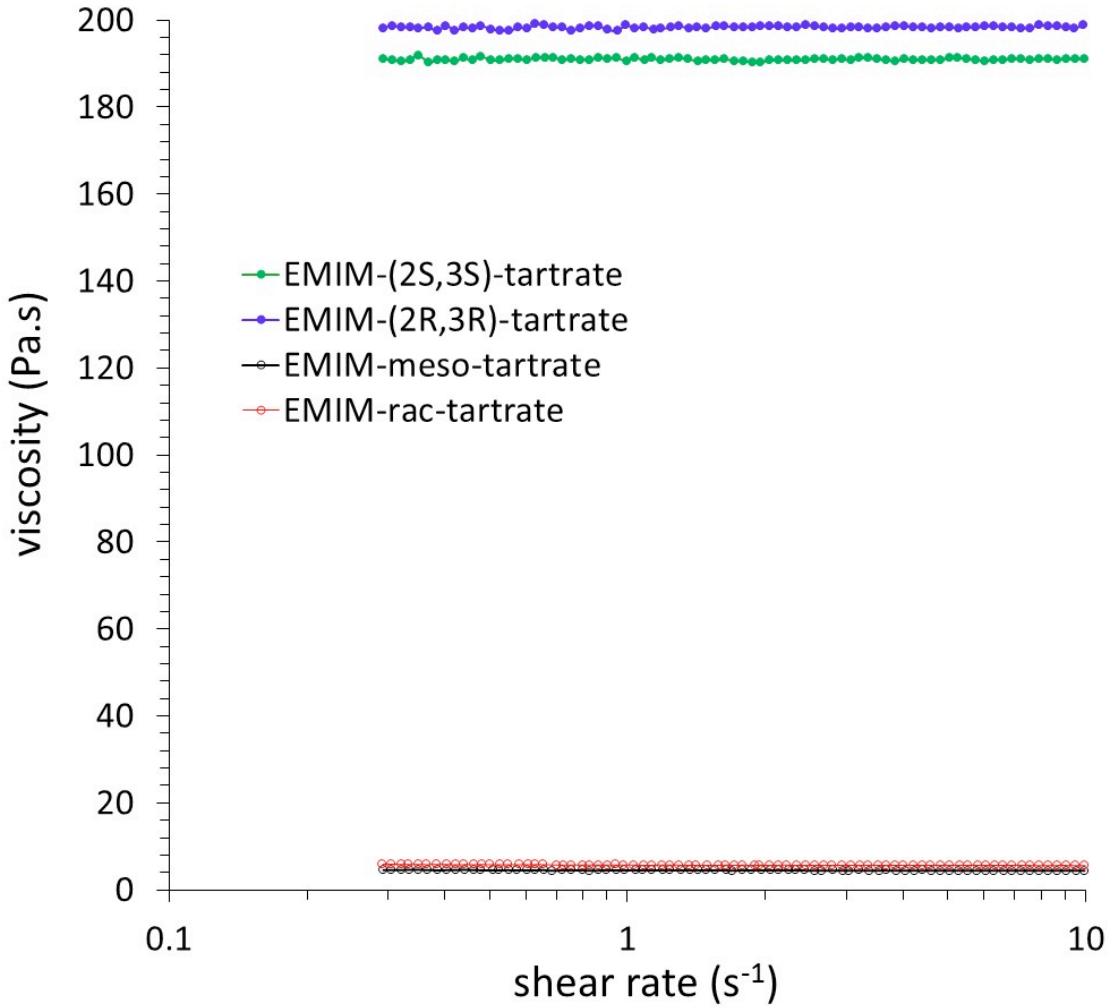


Fig SI-1. Dynamic viscosity of the EMIM tartrates Ils as a function of the shear rate. All ILs displayed a newtonian behavior.