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## Supplementary Information

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### Research paper

## Investigation of the Thermal Stability and Triple Kinetic Calculation of the Decomposition Temperature of 3-Azido-2,2-bis(azidomethyl)propyl azidoacetate as an Energetic Plasticizer using Model Free Methods

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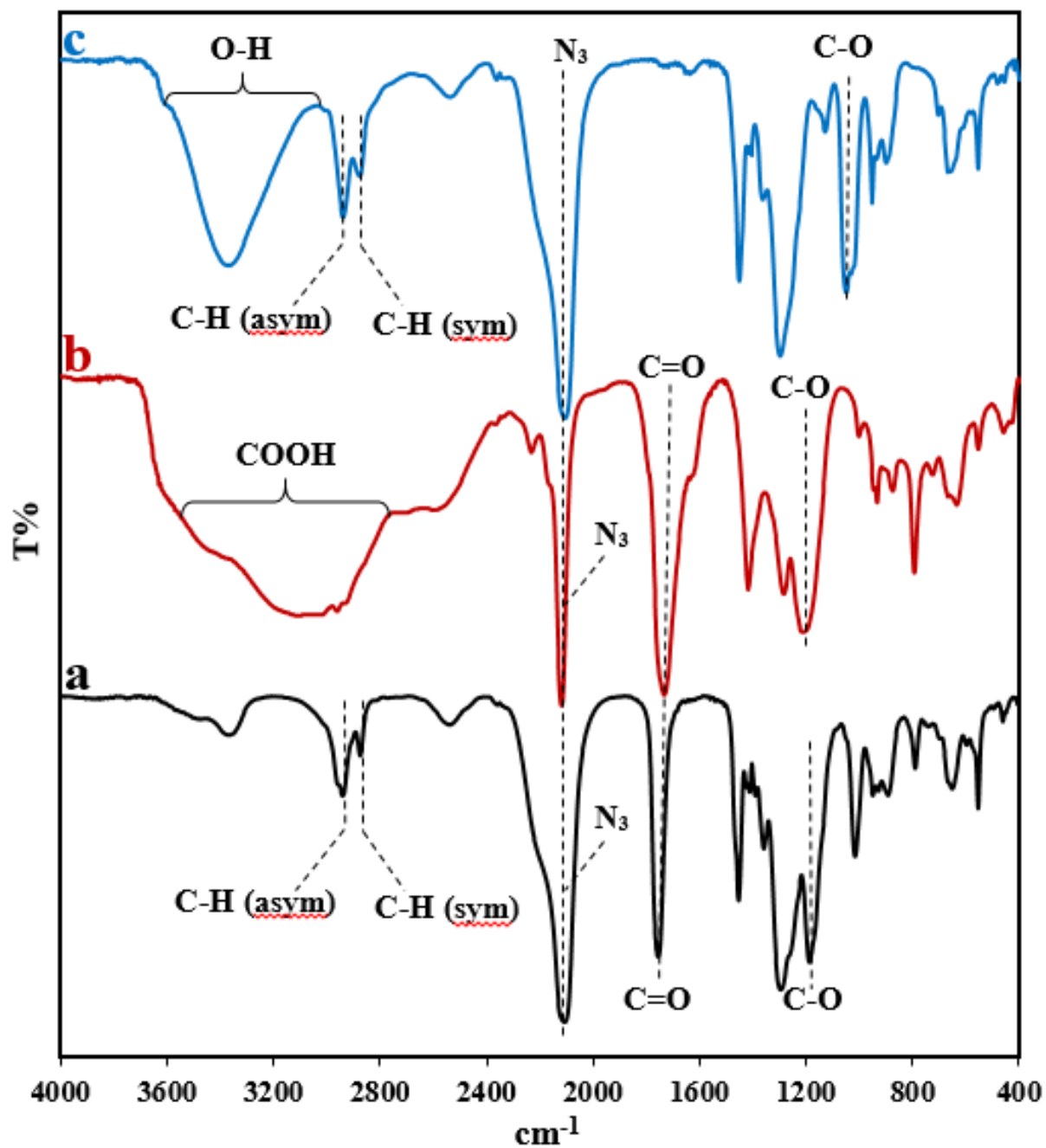
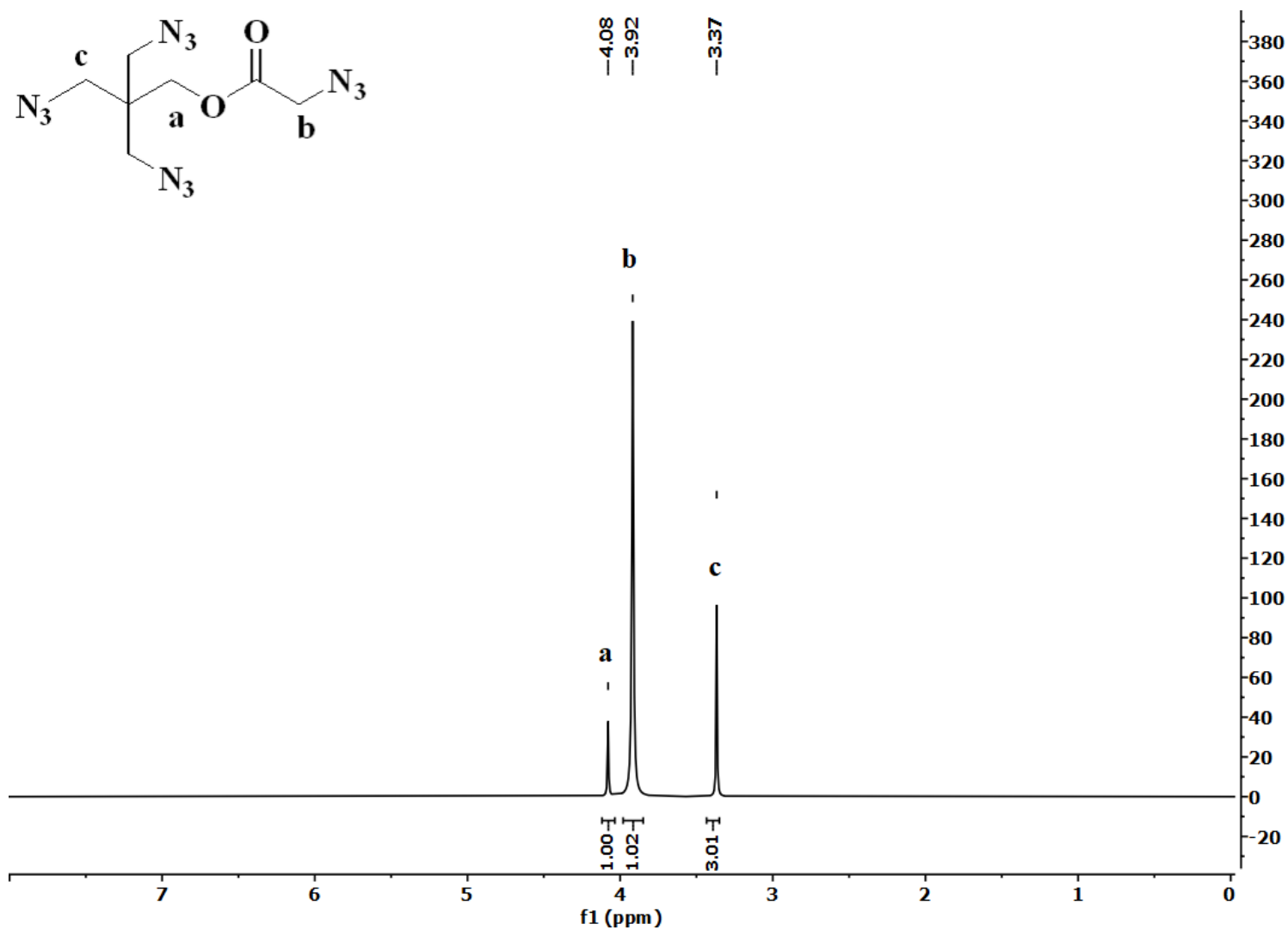


Figure S1. FT-IR spectrum of ABAMPA



**Figure S2.** <sup>1</sup>H NMR spectrum of ABAMPA

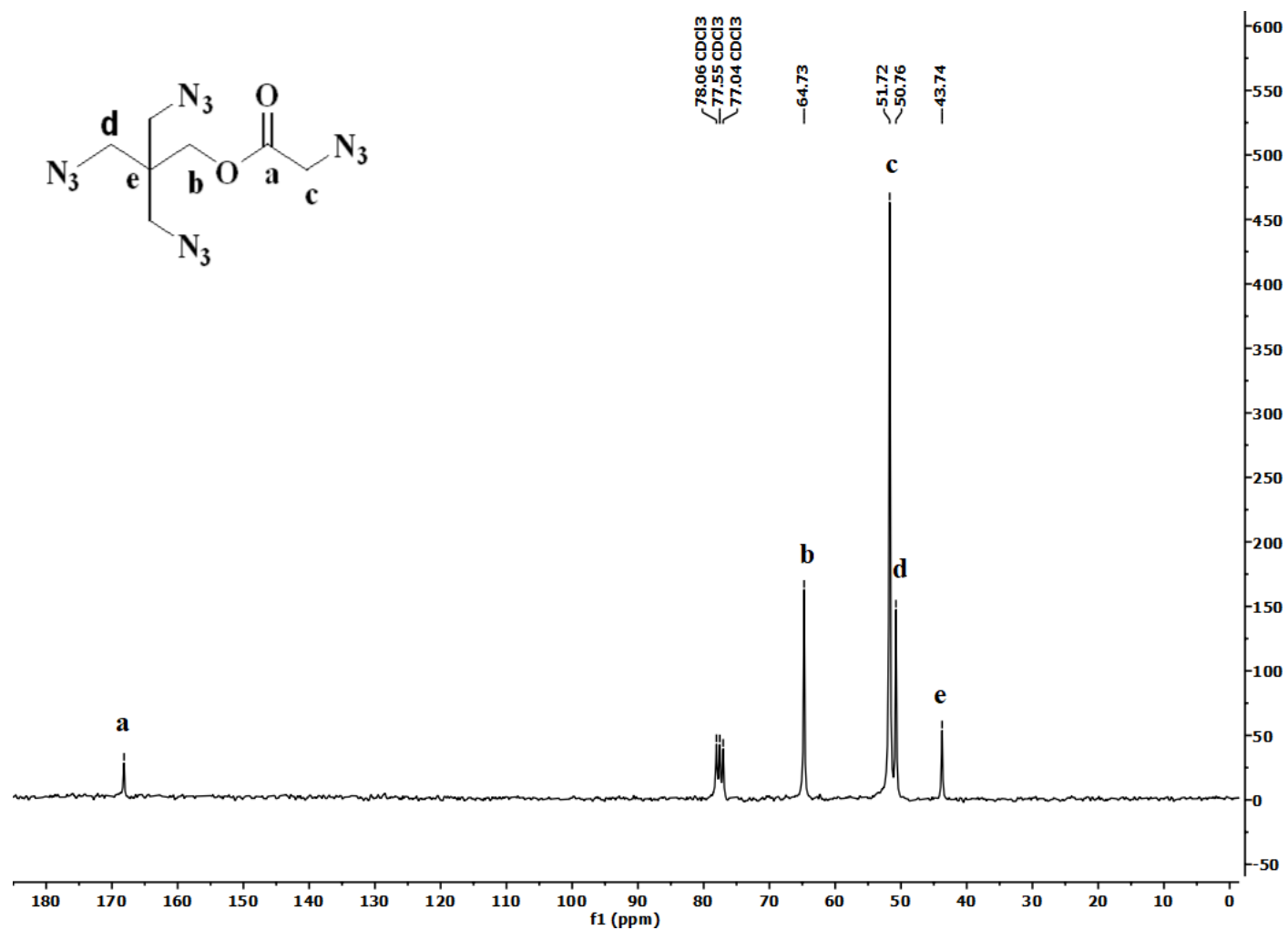
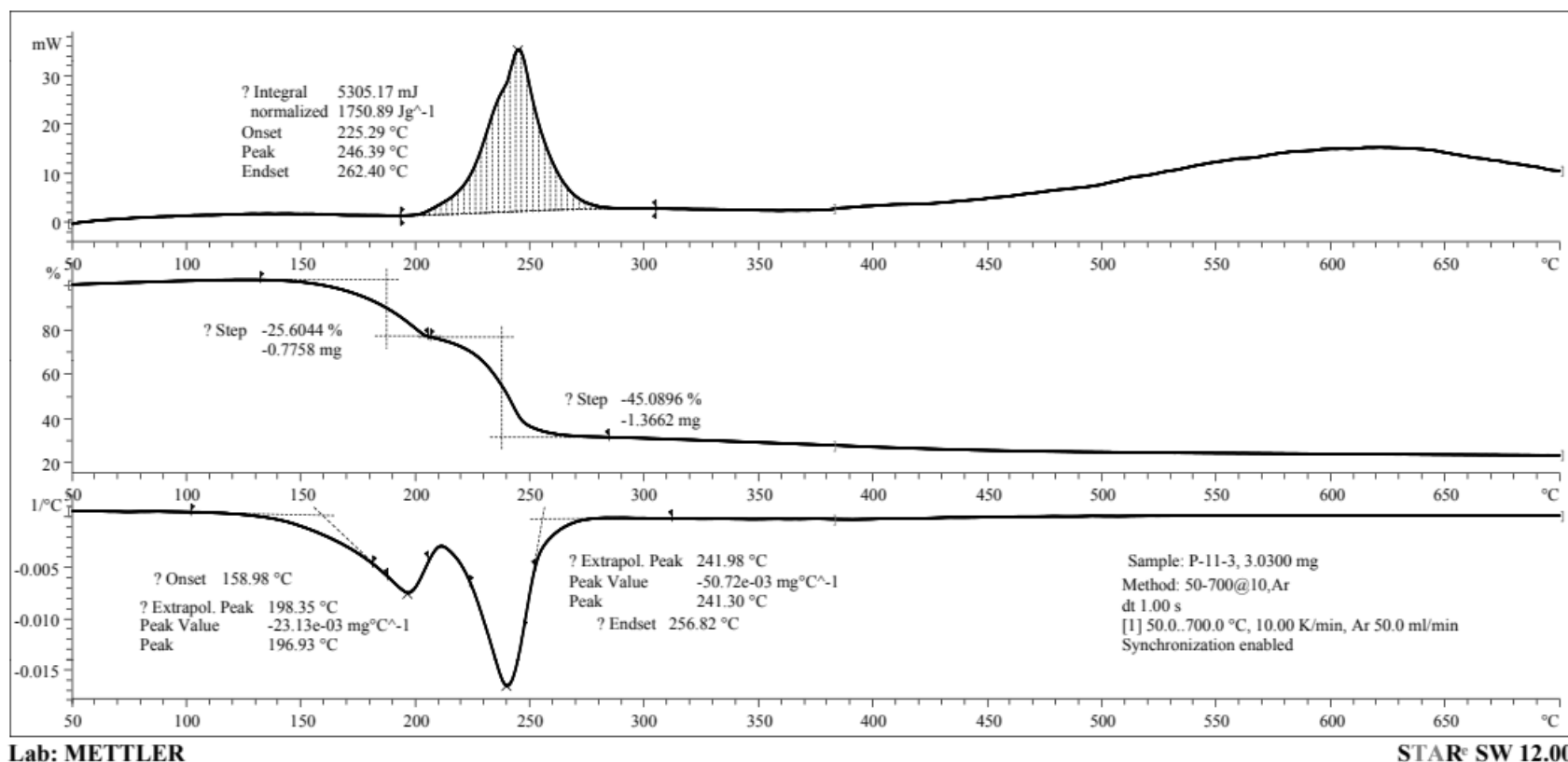


Figure S3.  $^{13}\text{C}$  NMR spectrum of ABAMPA



**Figure S4.** TG-DSC thermograms of ABAMPA at 10 K·min<sup>-1</sup>

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