

Supplementary Materials: Identification and Structure Elucidation of Epoxyjanthitrem from *Lolium perenne* Infected with the Endophytic Fungus *Epichloë festucae* var. *lolii* and Determination of the Tremorgenic and Anti-insect Activity of Epoxyjanthitrem I

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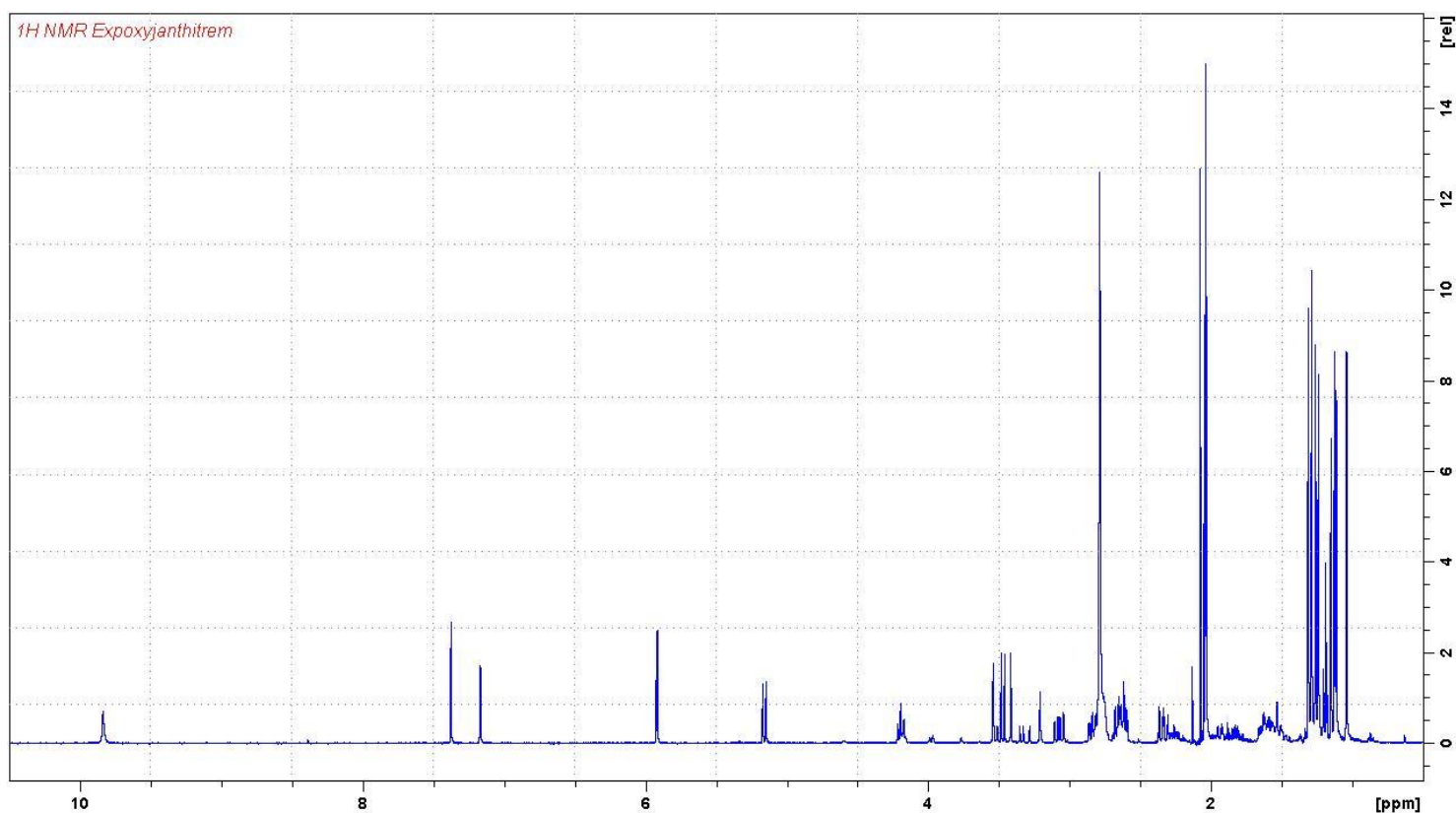


Figure S1. ¹H NMR spectrum of epoxyjanthitrem I in acetone-d₆.

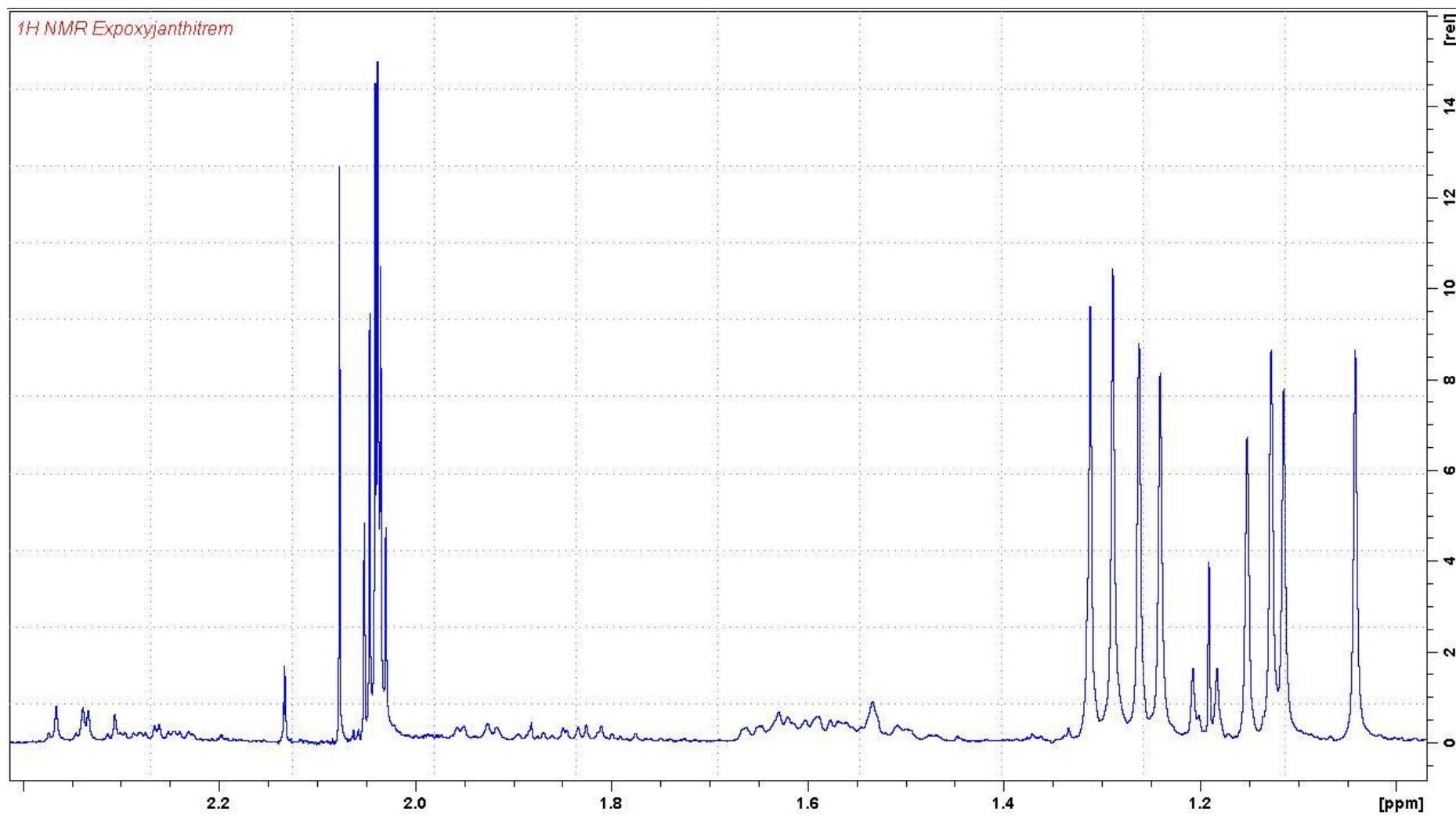


Figure S2. Expansion of the 1.0–2.3 ppm region of the ^1H NMR spectrum of epoxyjanthitrem I in acetone- d_6 .

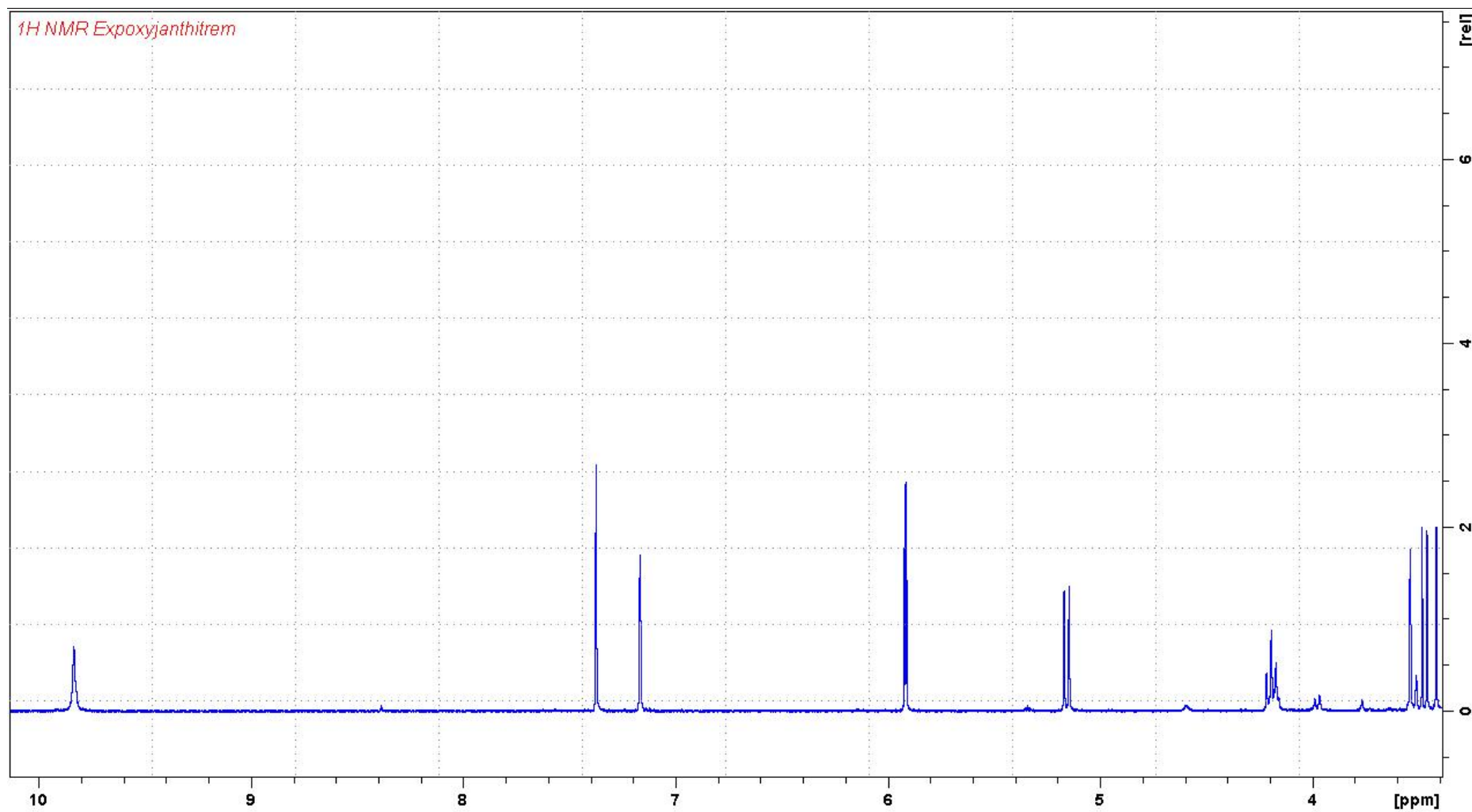


Figure S3. Expansion of the 3.6–10 ppm region of the ¹H NMR spectrum of epoxyjanthitrem I in acetone-d₆.

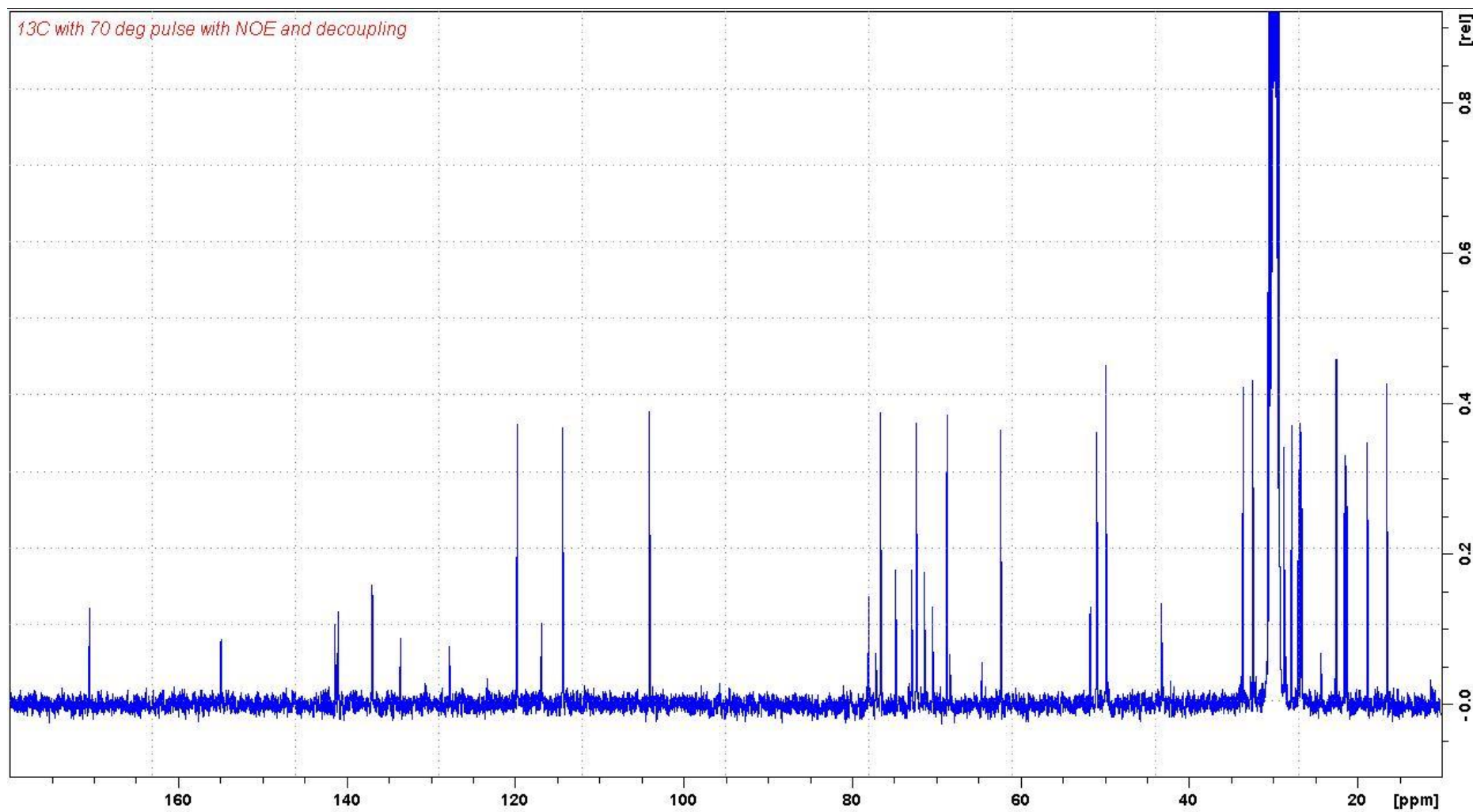


Figure S4. ¹³C NMR spectrum of epoxyjanthitrem I in acetone-d₆.

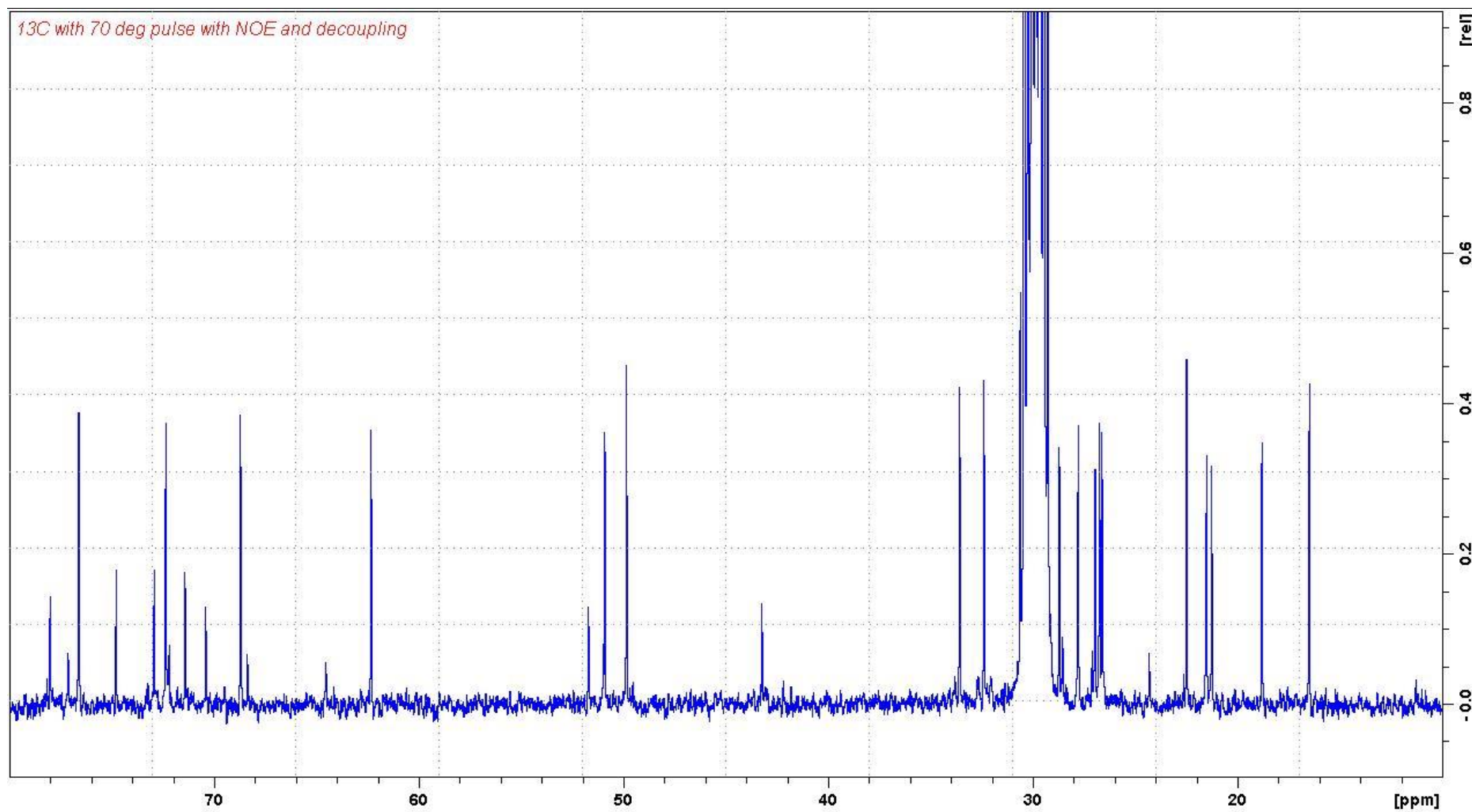


Figure S5. Expansion of the 10–80 ppm region of the ^{13}C NMR spectrum of epoxyjanthitrem I in acetone- d_6 .

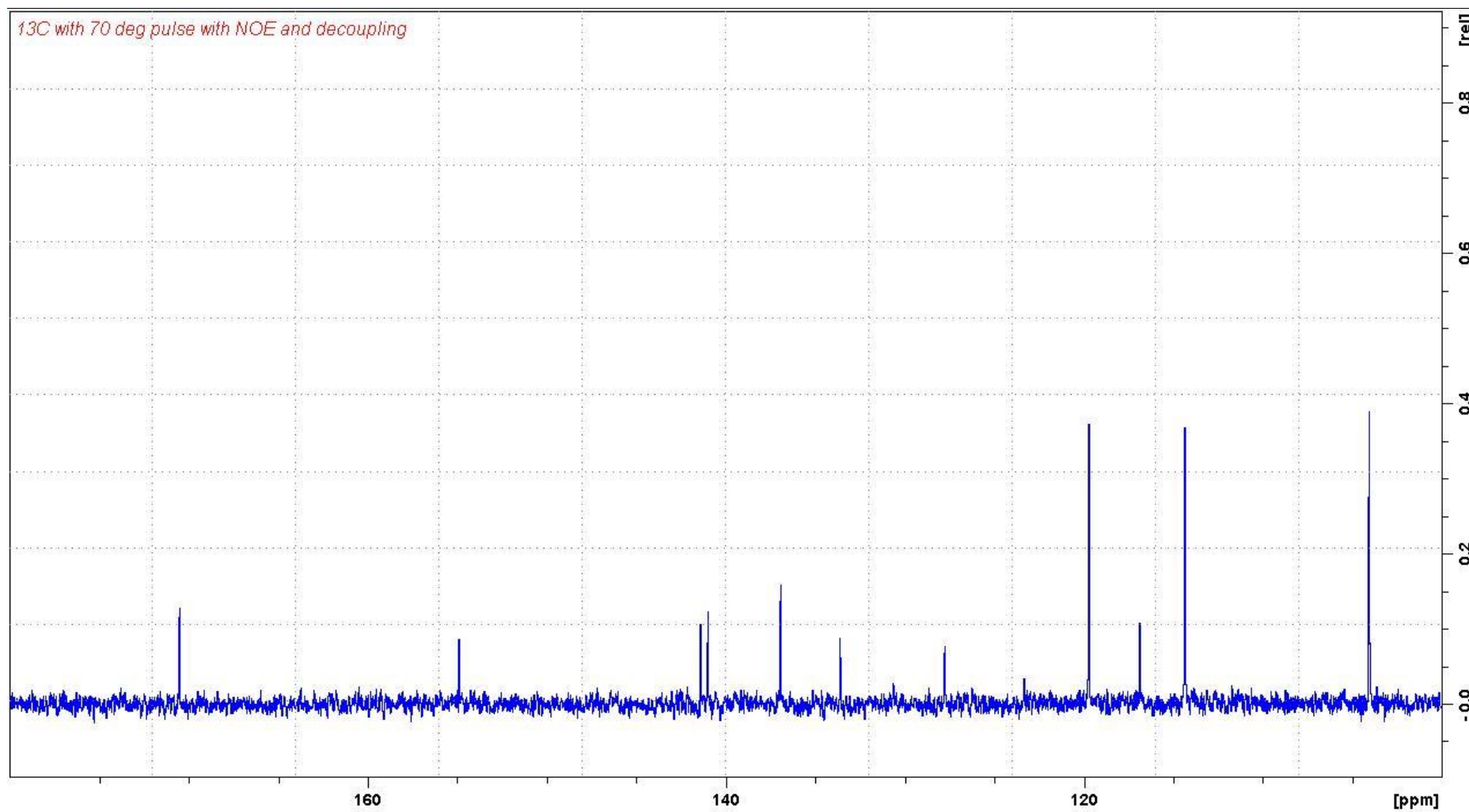


Figure S6. Expansion of the 100–180 ppm region of the ¹³C NMR spectrum of epoxyjanthitrem I in acetone-d₆.

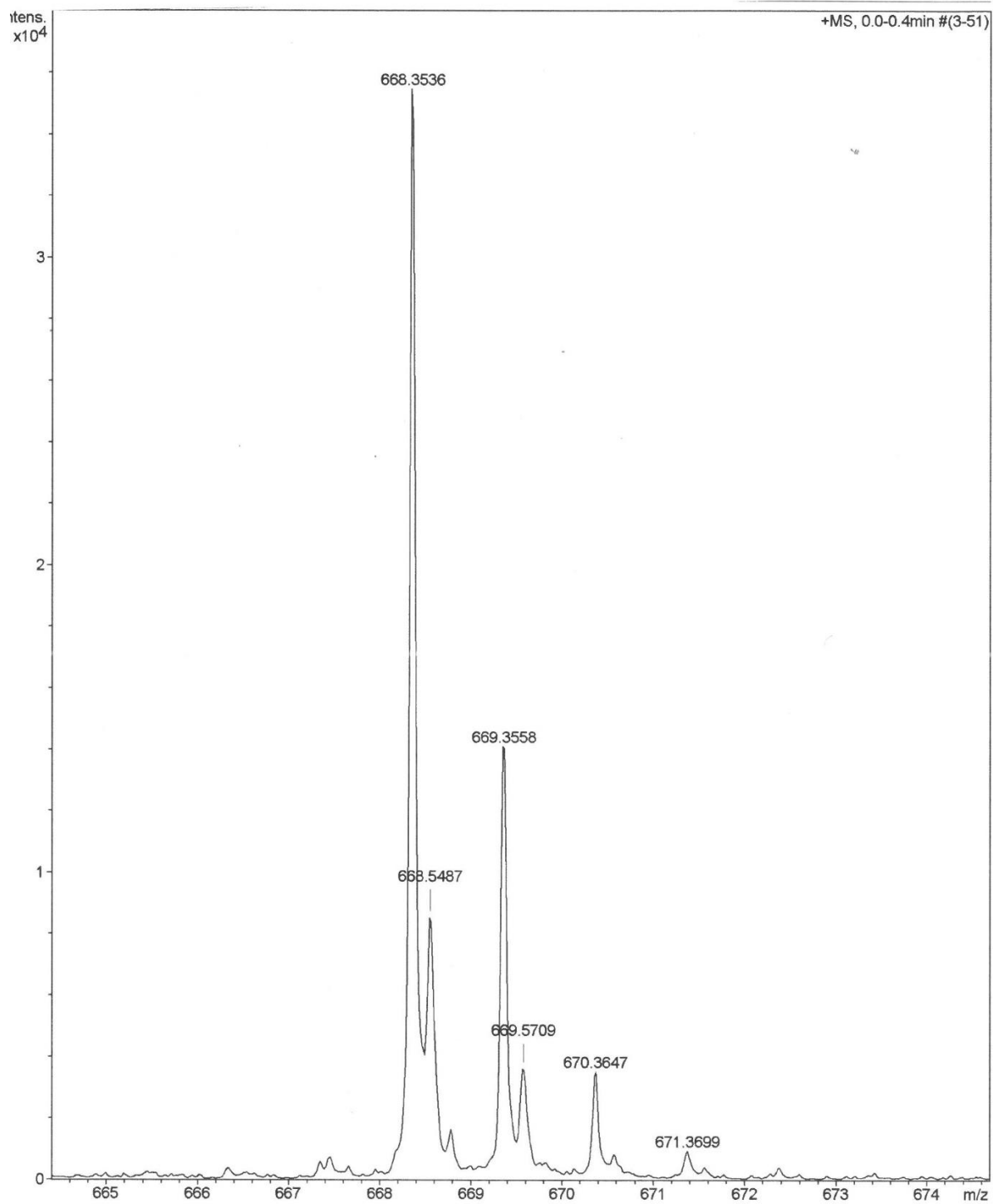


Figure S7. HRESIMS of epoxyjanthitrem I (positive ion mode) containing a peak at m/z 668.3536 consistent with a molecular formula of C₃₉H₅₁NO₇.