Formation of Diaryl Sulfides and Sulfoxides: Synthesis, Characterization and Structure Activity Correlation Studies

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**Supplemental Materials**

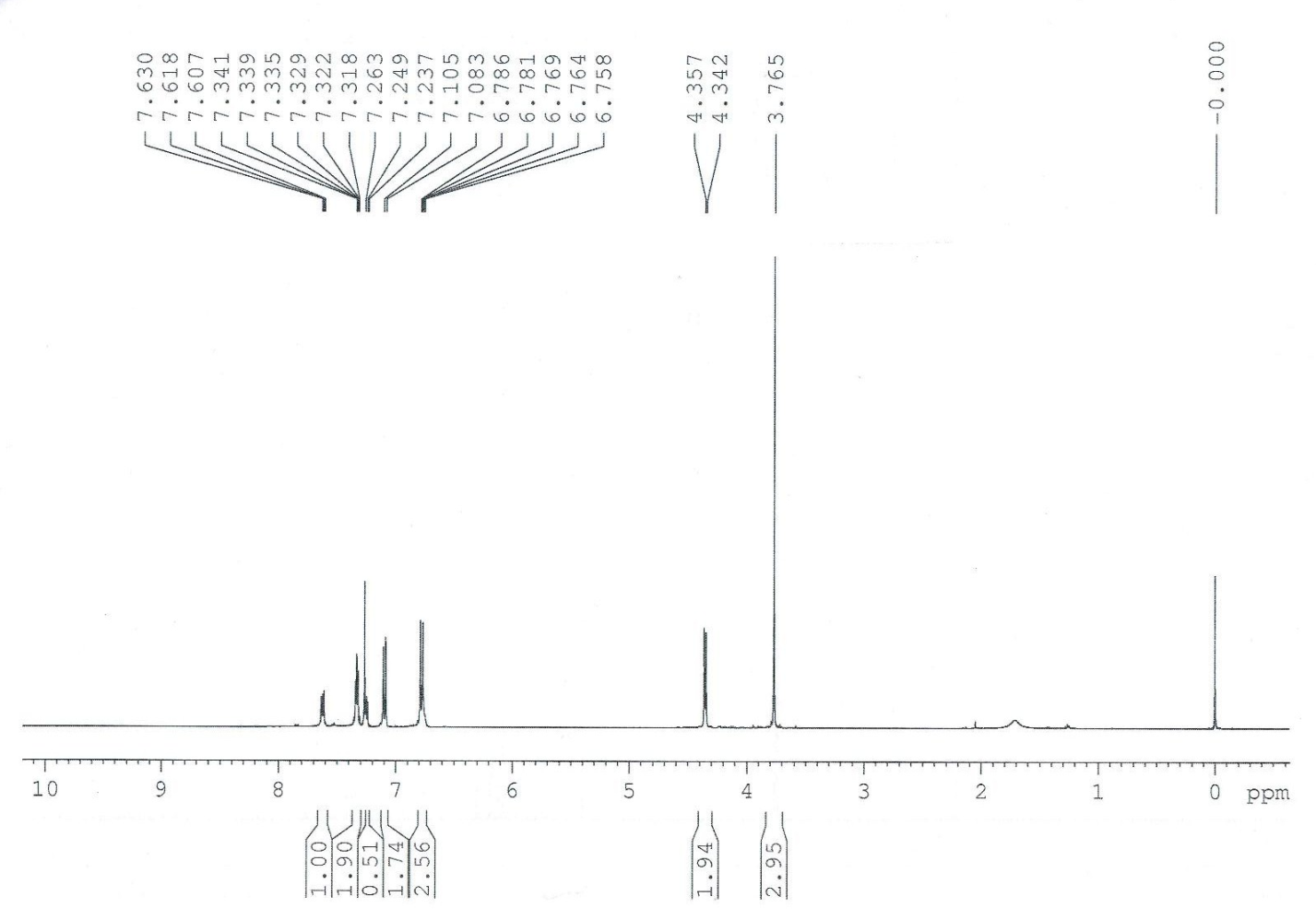


Figure S 1. 1H-NMR spectra of pure sulfurane oxide **21** in CDCl3

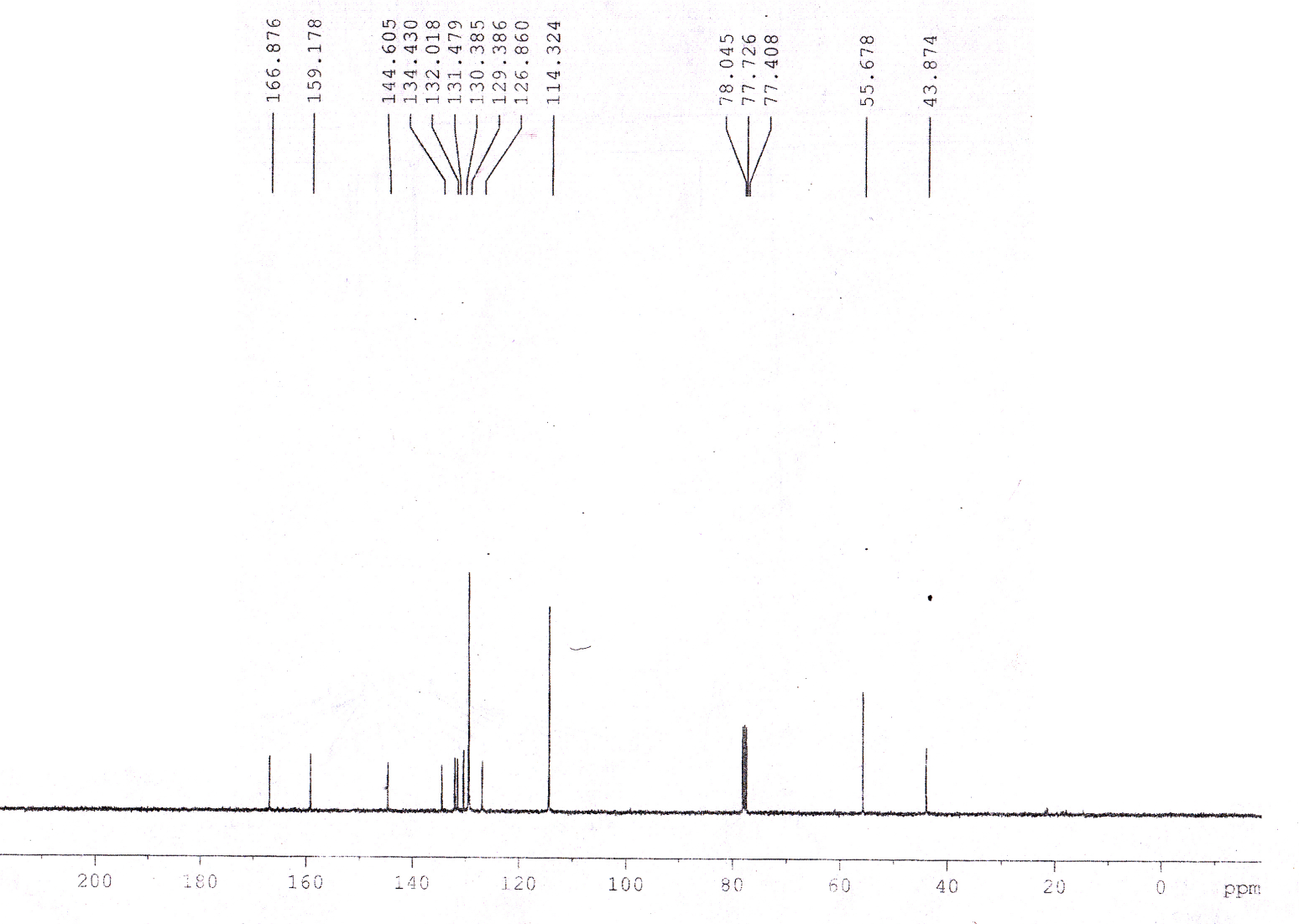


Figure S 2. 13C-NMR spectra of pure sulfurane oxides **21** in CDCl3

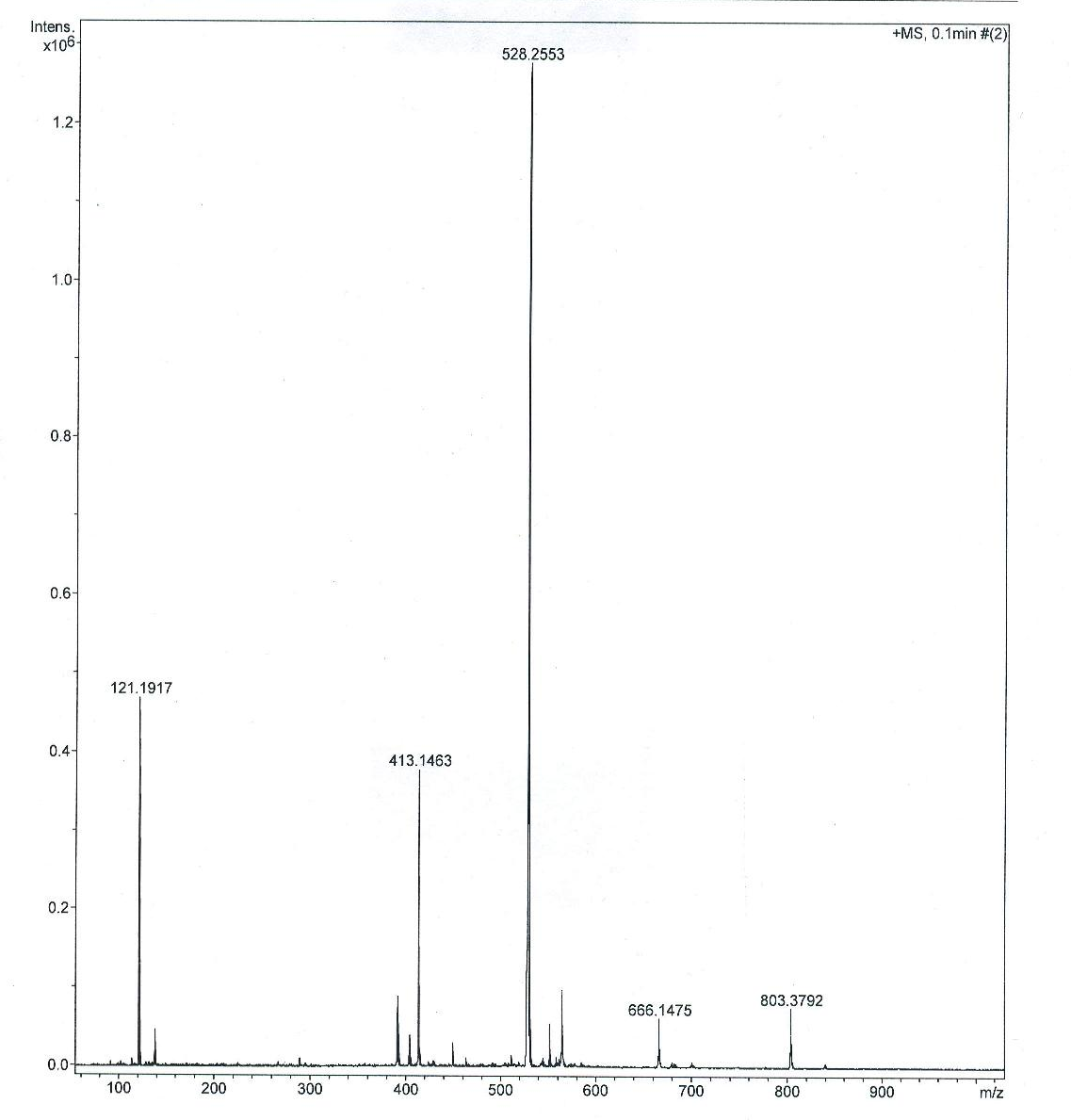


Figure S 3.ESI-Mass spectrum of compound **21**. ESI-MS (*m*/*z*) Calcd, C30H28N2O5S: 528.0,

found: 528.2 [M +].

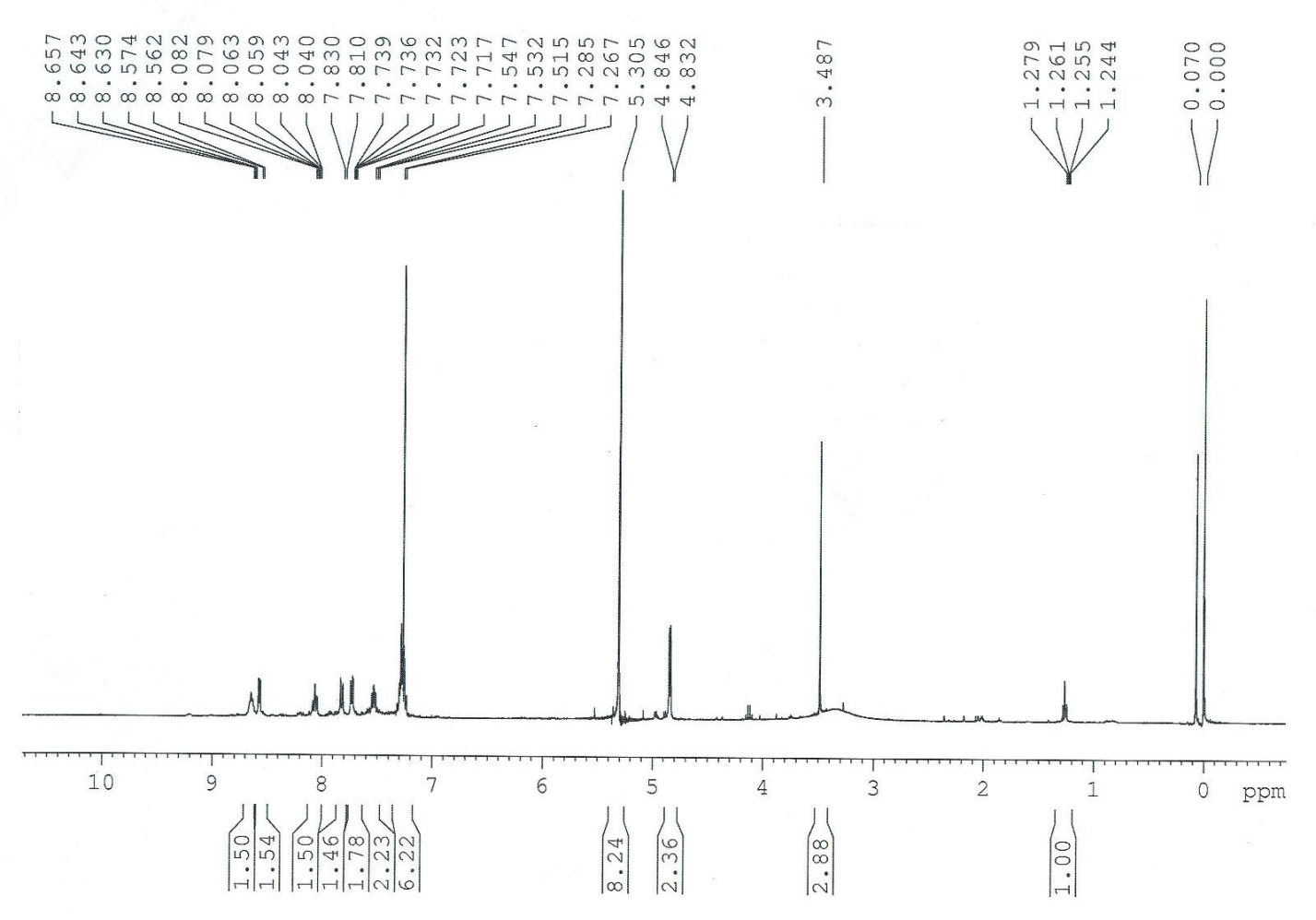


Figure S 4.1H-NMR spectra of pure sulfurane oxide **22** in CDCl3

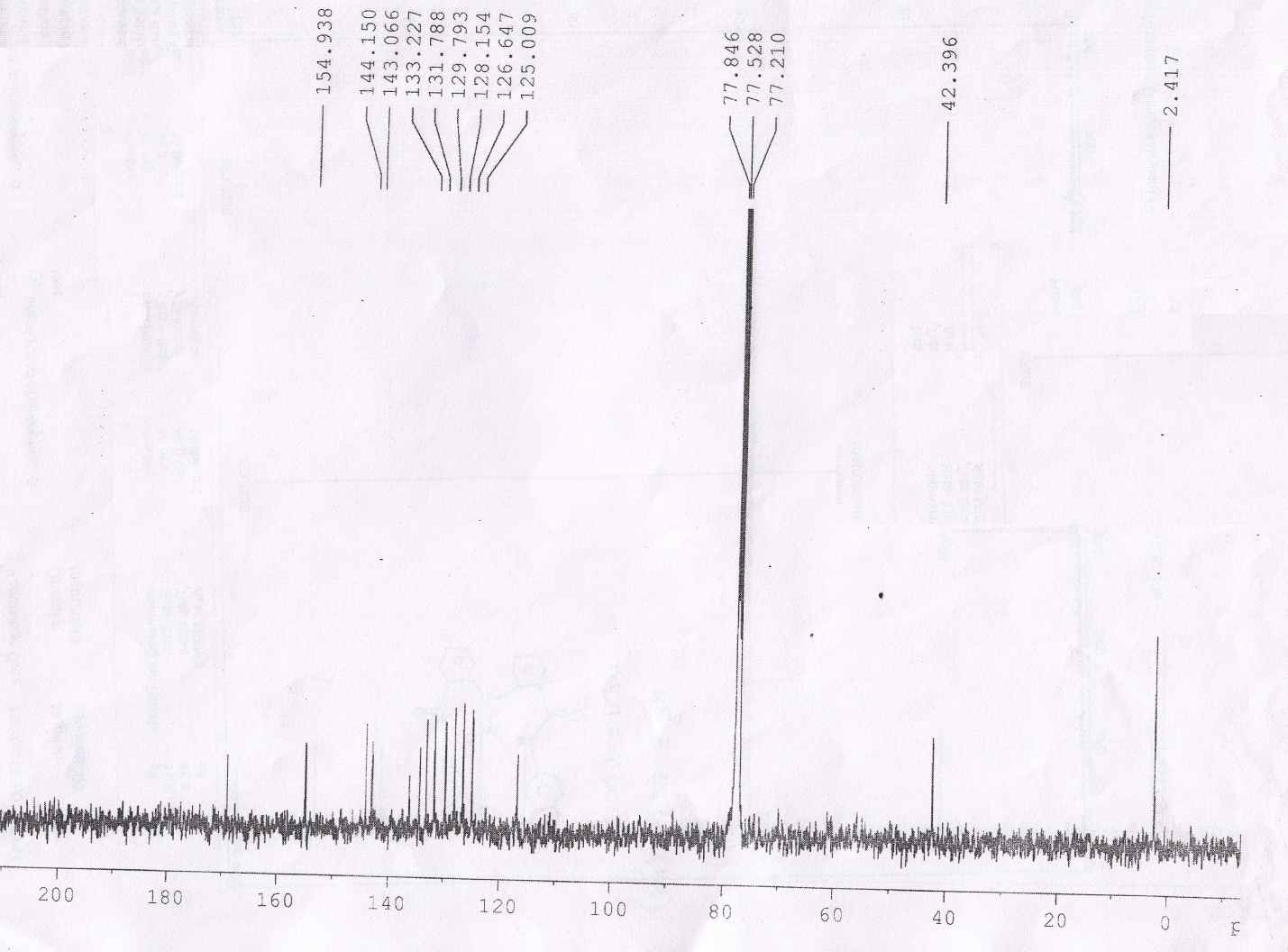


Figure S 5. 13C-NMR spectra of pure sulfurane oxides **22** in CDCl3

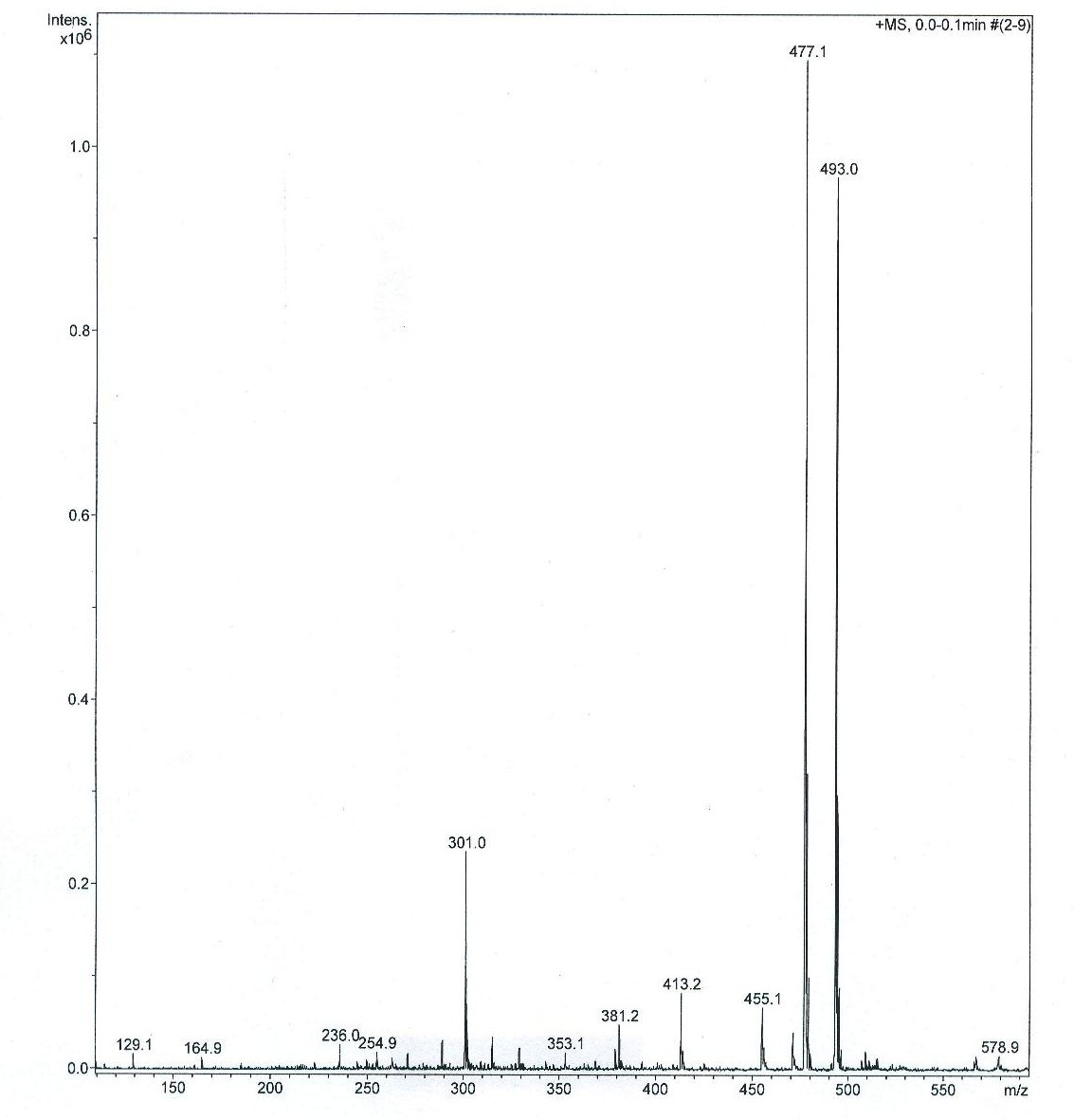


Figure S 6.ESI-Mass spectrum of compound **22**. ESI-MS (*m*/*z*) Calcd, C26H22N4O3S: 474.5,

found: 493.0 [M+ Na+].

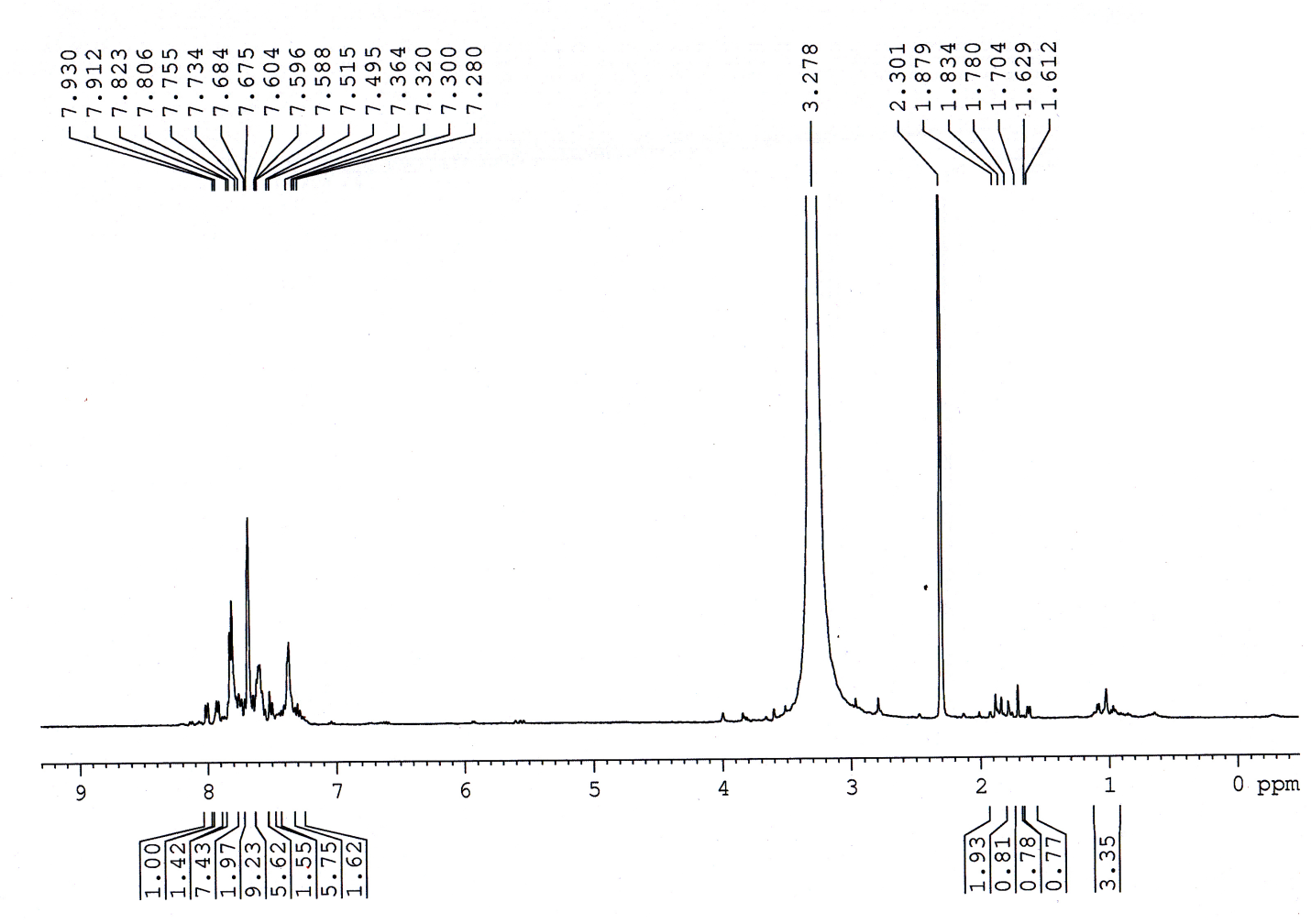


Figure S 7.1H-NMR spectra of pure Sulfurane oxide **25** in DMSO-d6

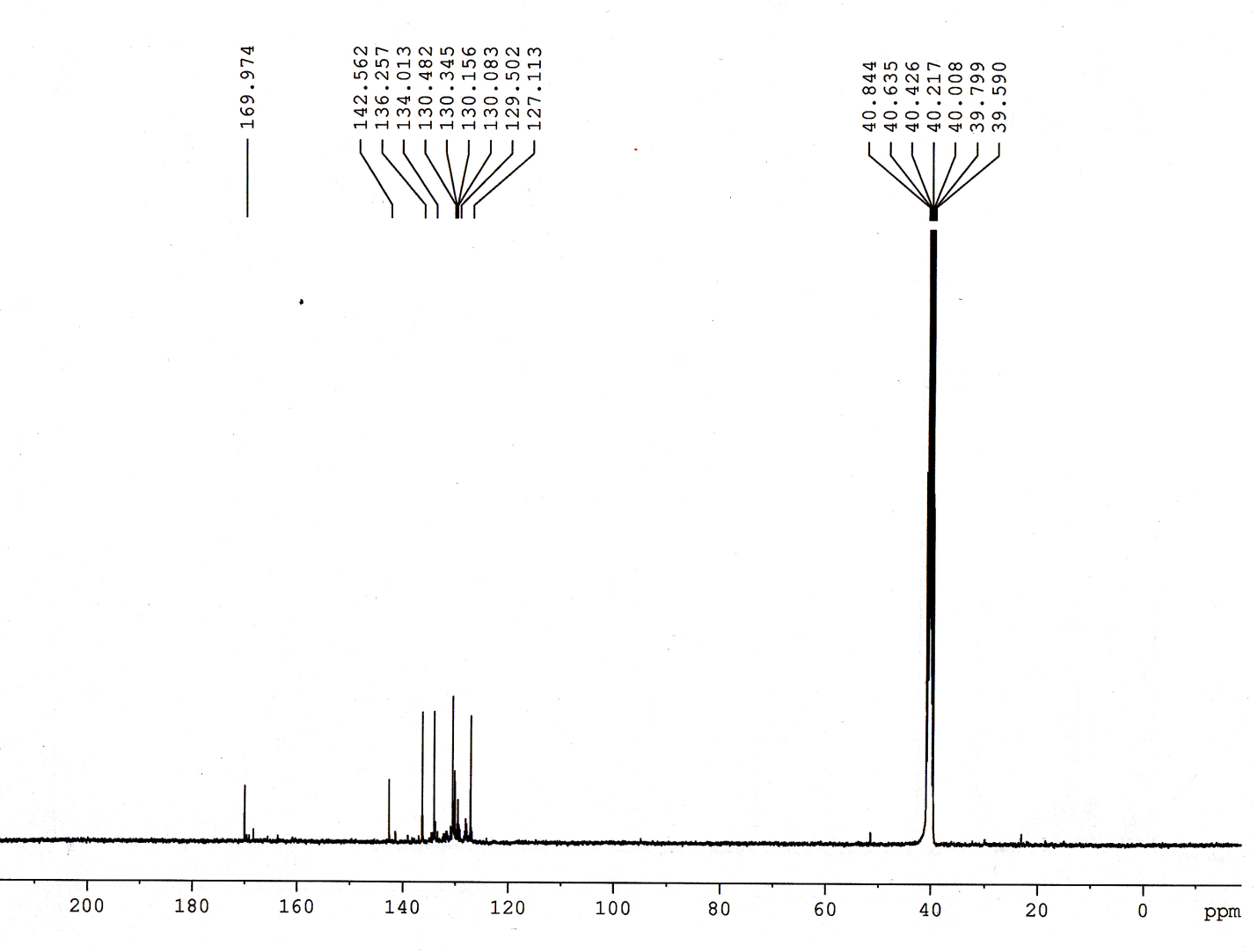


Figure S 8. **13**C-NMR spectra of pure sulfurane oxides **25** in DMSO-d6

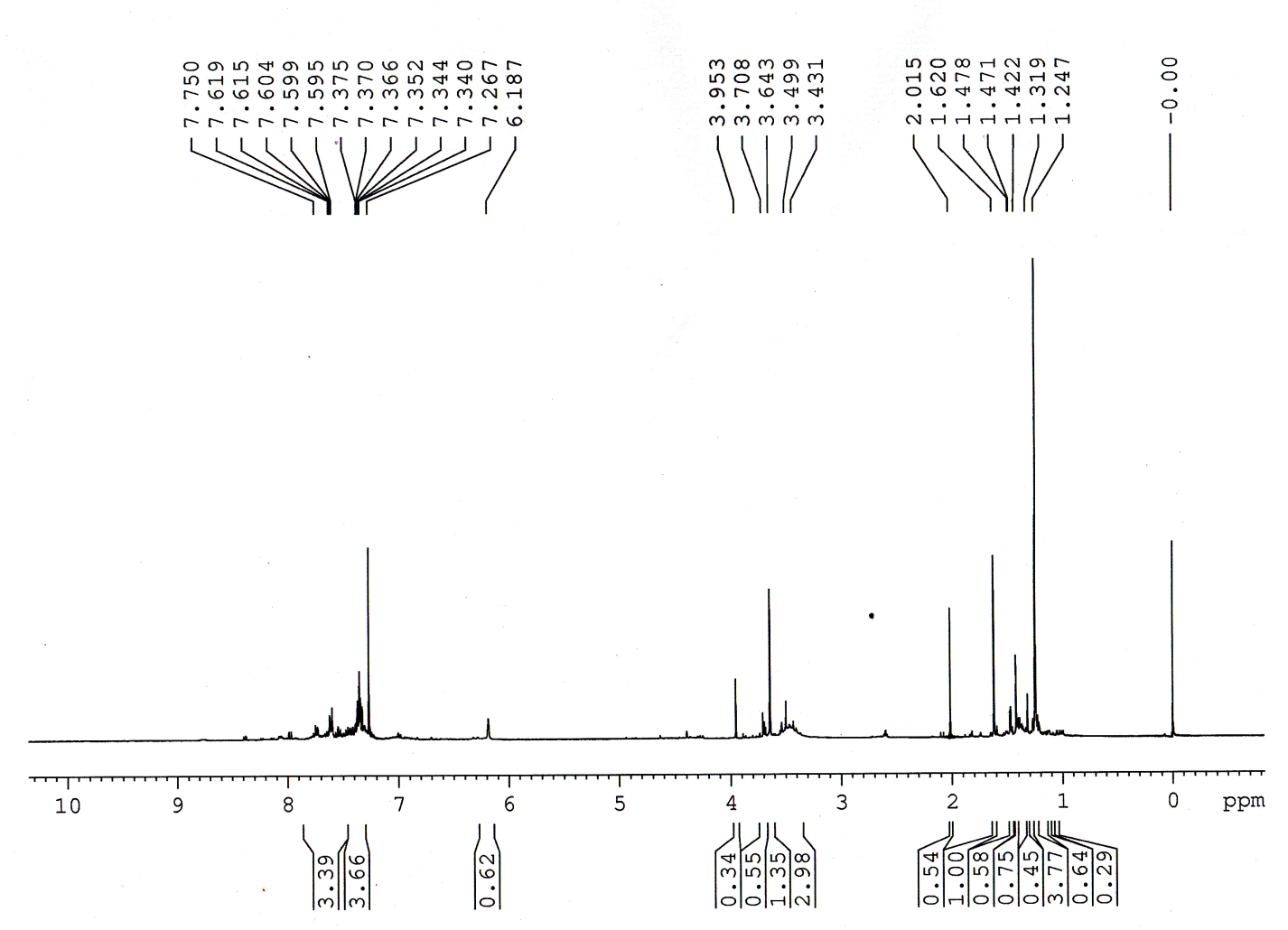


Figure S 9.1H-NMR spectra of pure Sulfurane oxide **26** in CDCl3

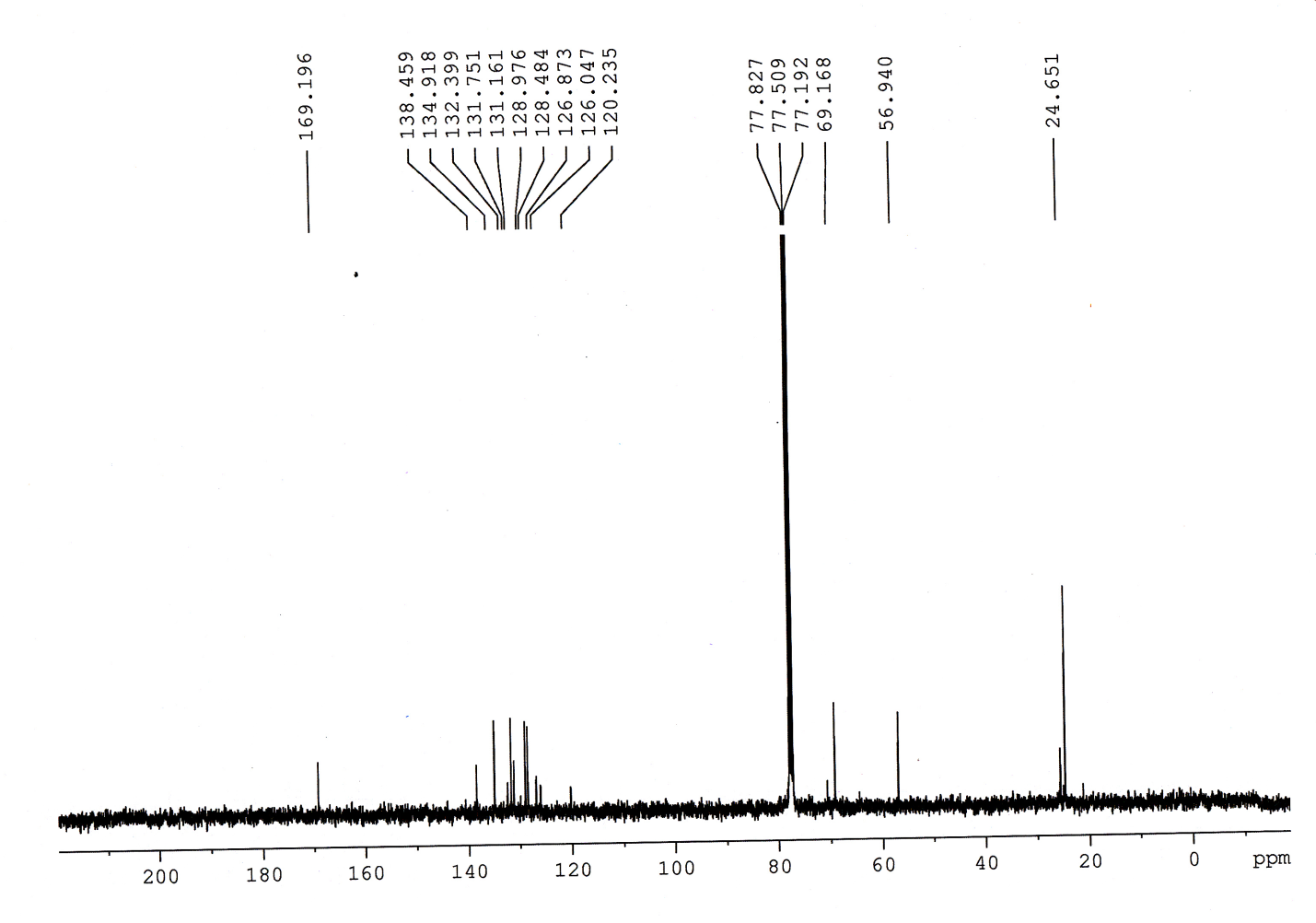


Figure S 10. 13C-NMR spectra of pure sulfurane oxides **26** in CDCl3