

**“One-pot” CuCl₂-mediated Condensation/C-S Bond Coupling
Reactions to Synthesize Dibenzothiazepines by Bi-functional-reagent
N, N'-dimethylethane-1,2-diamine**

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1. Copies of NMR spectra of products

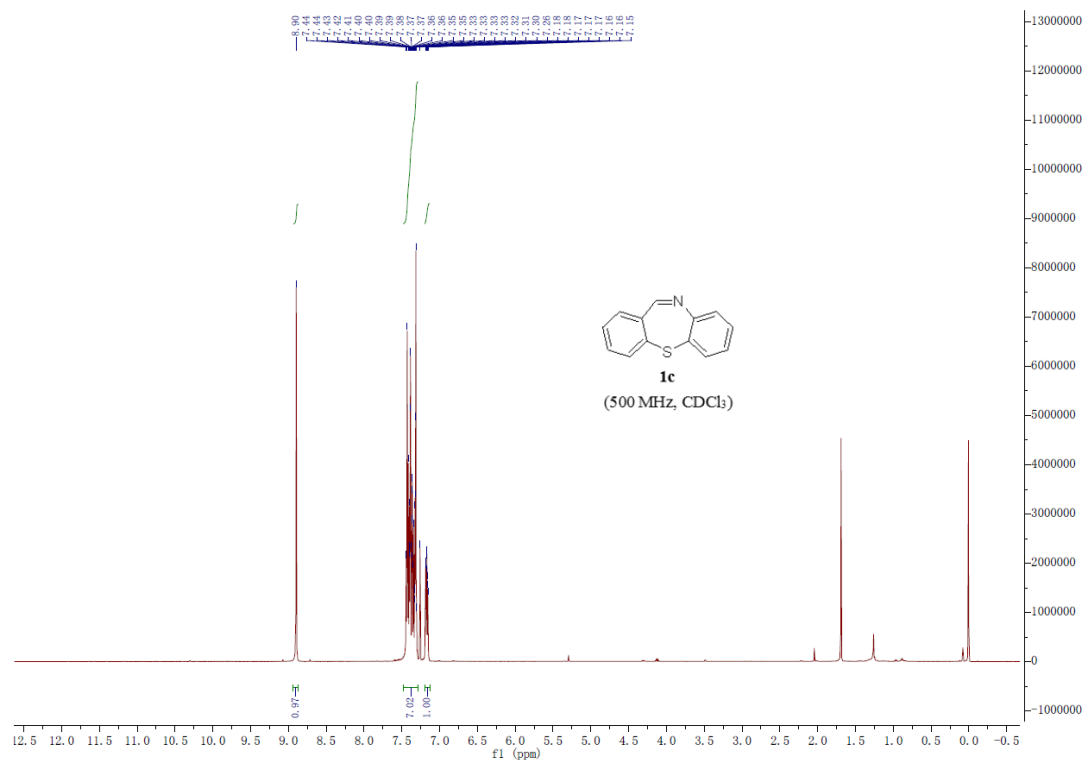


Figure S1: ¹H NMR (CDCl₃) spectrum of Compound (**1c**)

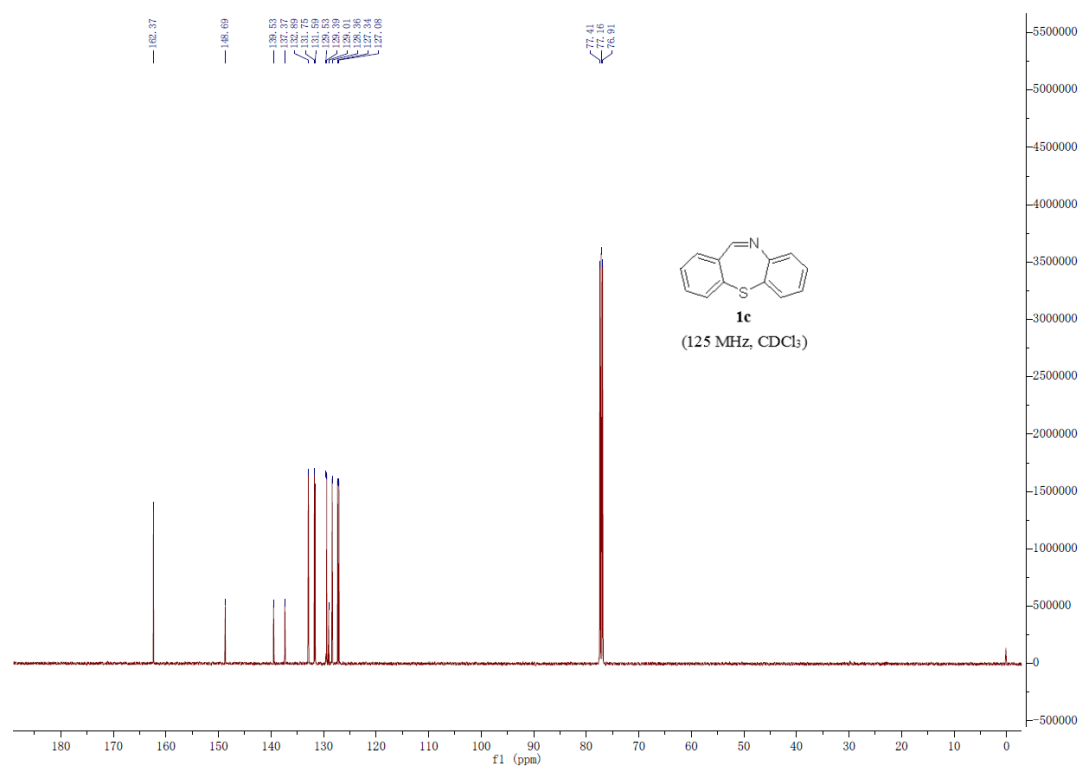


Figure S2: ¹³C NMR (CDCl₃) spectrum of Compound (**1c**)

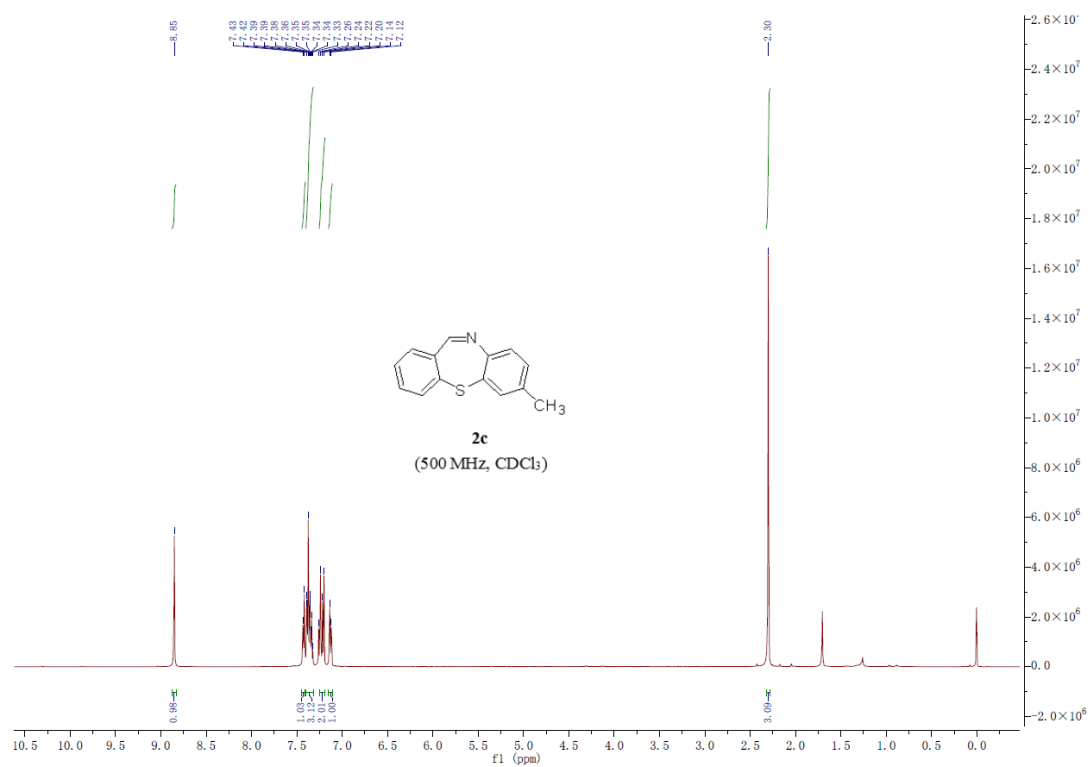


Figure S3: ¹H NMR (CDCl₃) spectrum of Compound (**2c**)

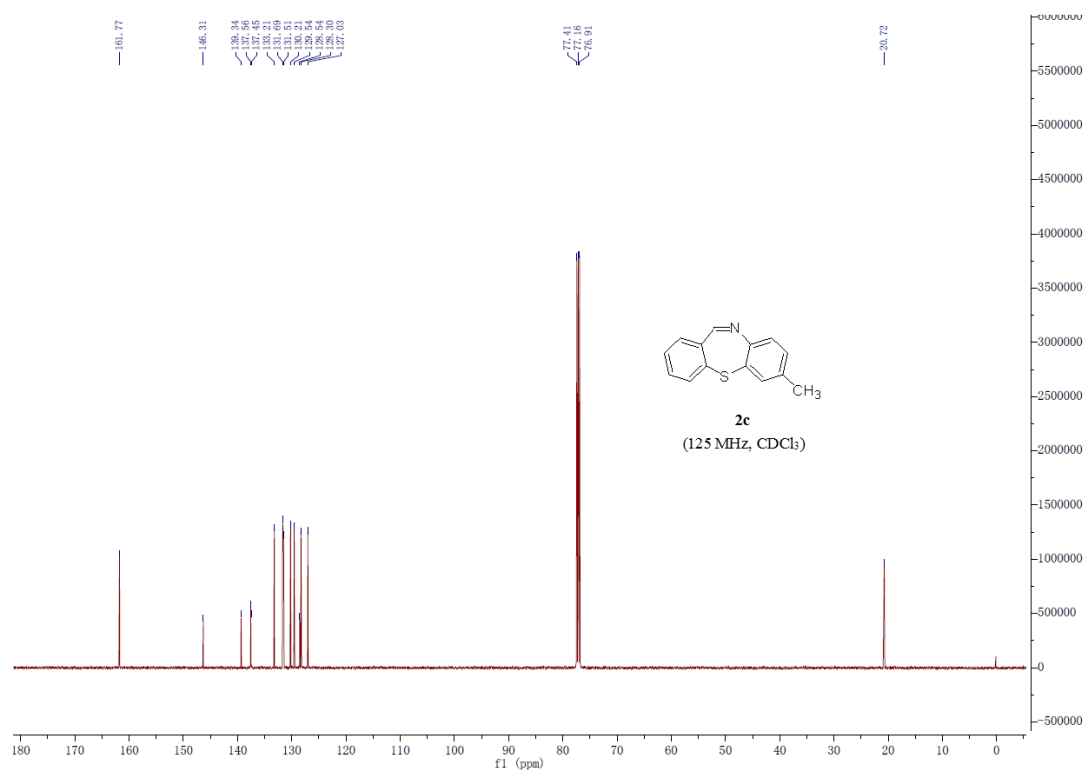


Figure S4: ¹³C NMR (CDCl₃) spectrum of Compound (**2c**)

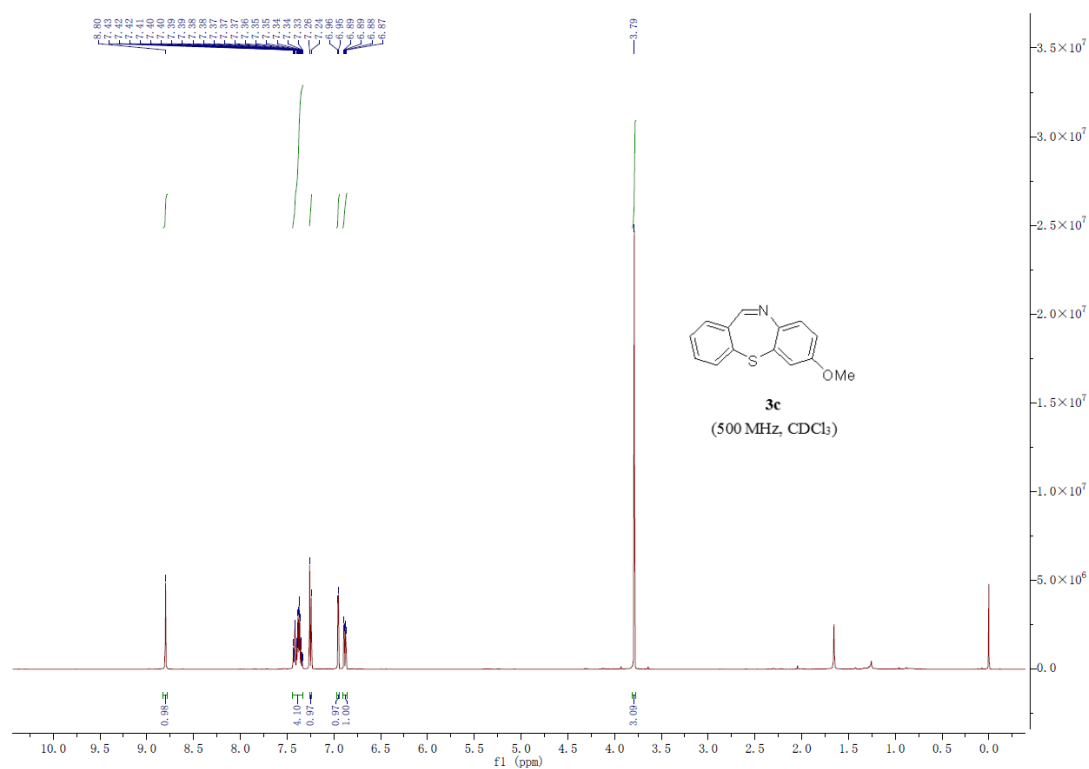


Figure S5: ¹H NMR (CDCl₃) spectrum of Compound (**3c**)

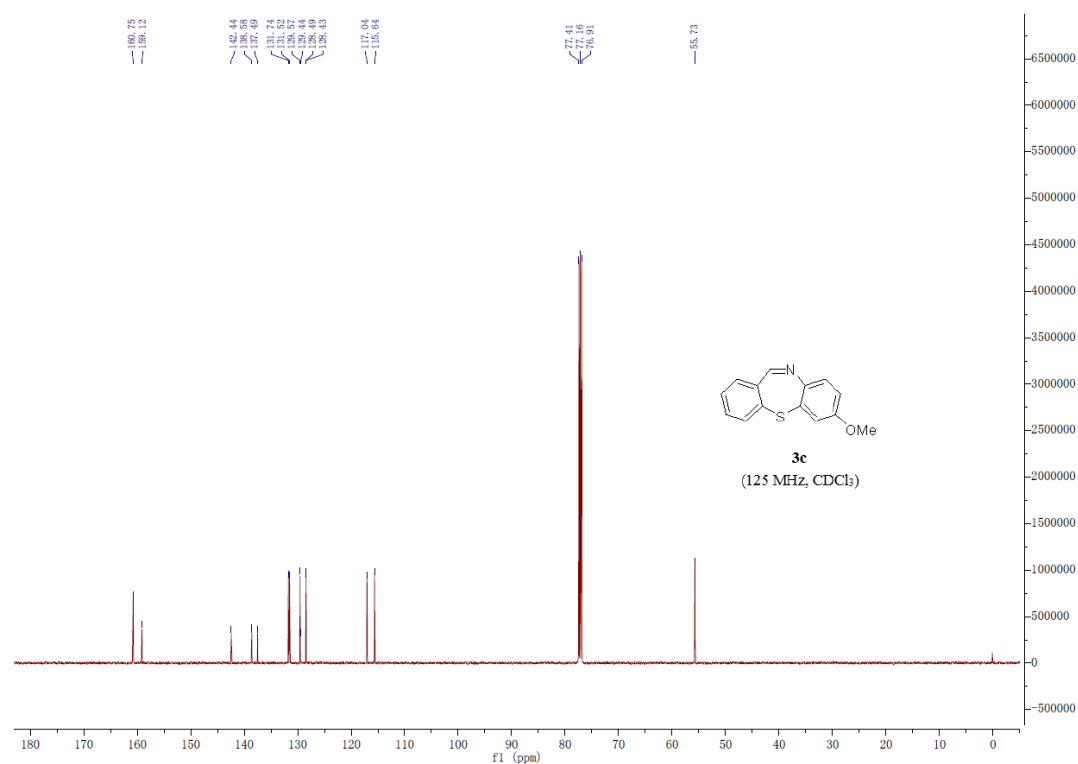


Figure S6: ¹³C NMR (CDCl₃) spectrum of Compound (**3c**)

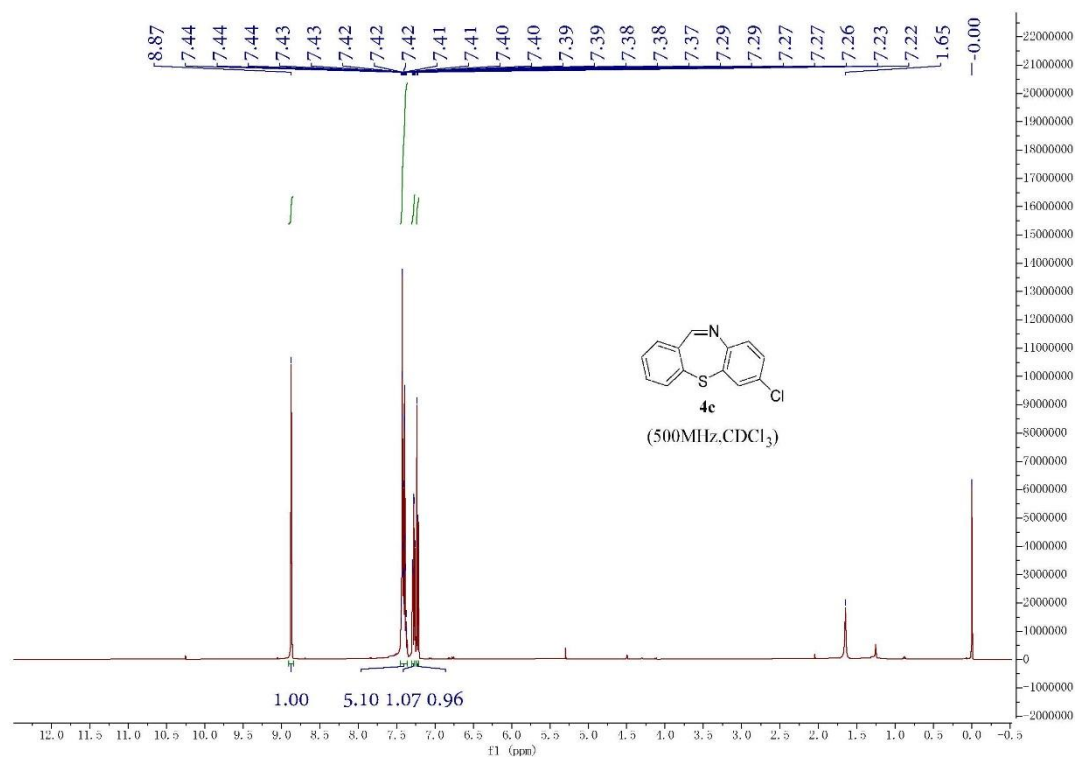


Figure S7: ¹H NMR (CDCl₃) spectrum of Compound (**4c**)

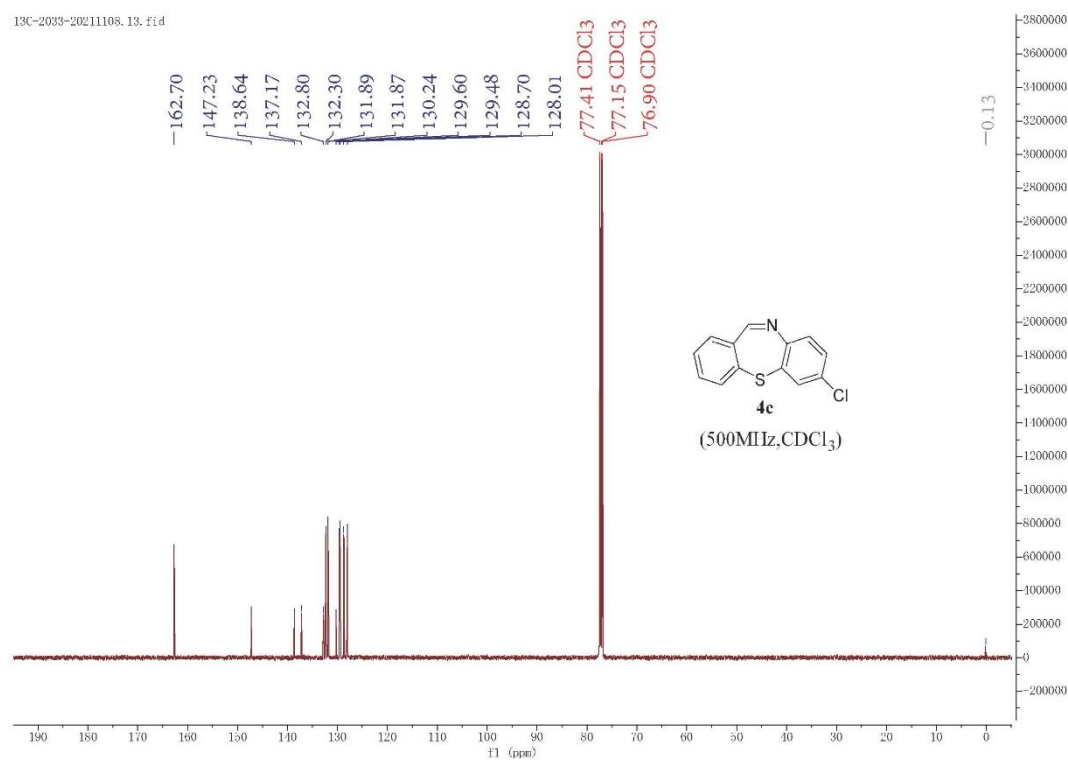


Figure S8: ¹³C NMR (CDCl₃) spectrum of Compound (**4c**)

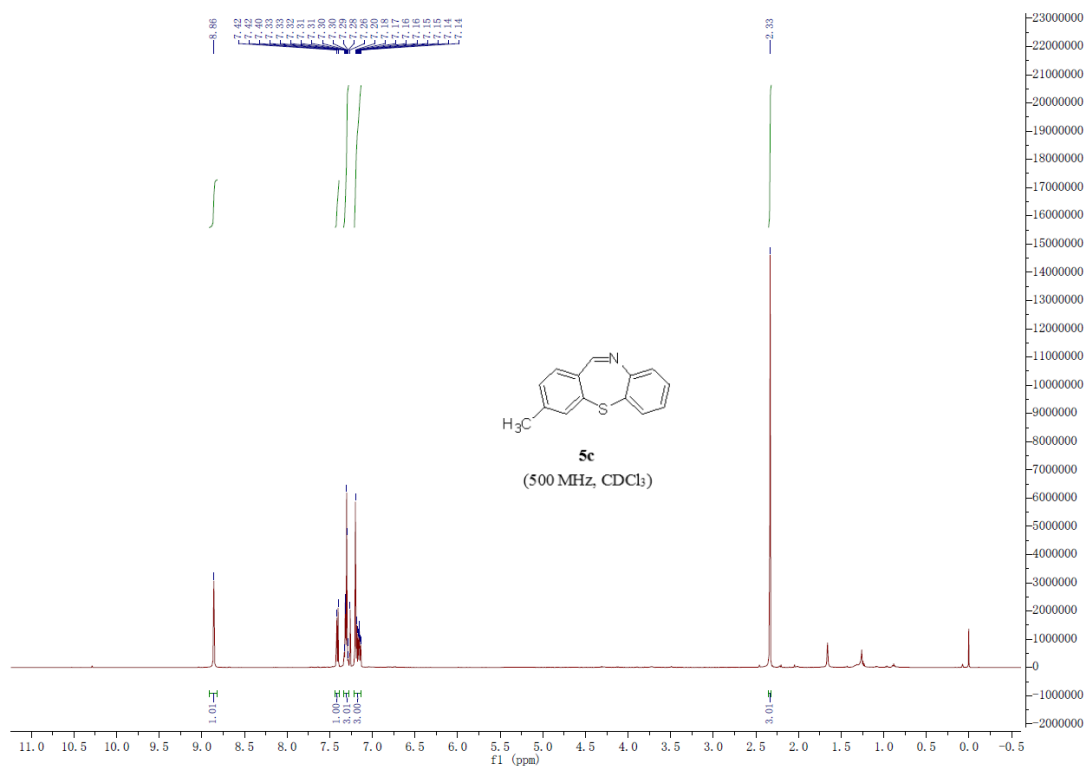


Figure S9: ¹H NMR (CDCl₃) spectrum of Compound (**5c**)

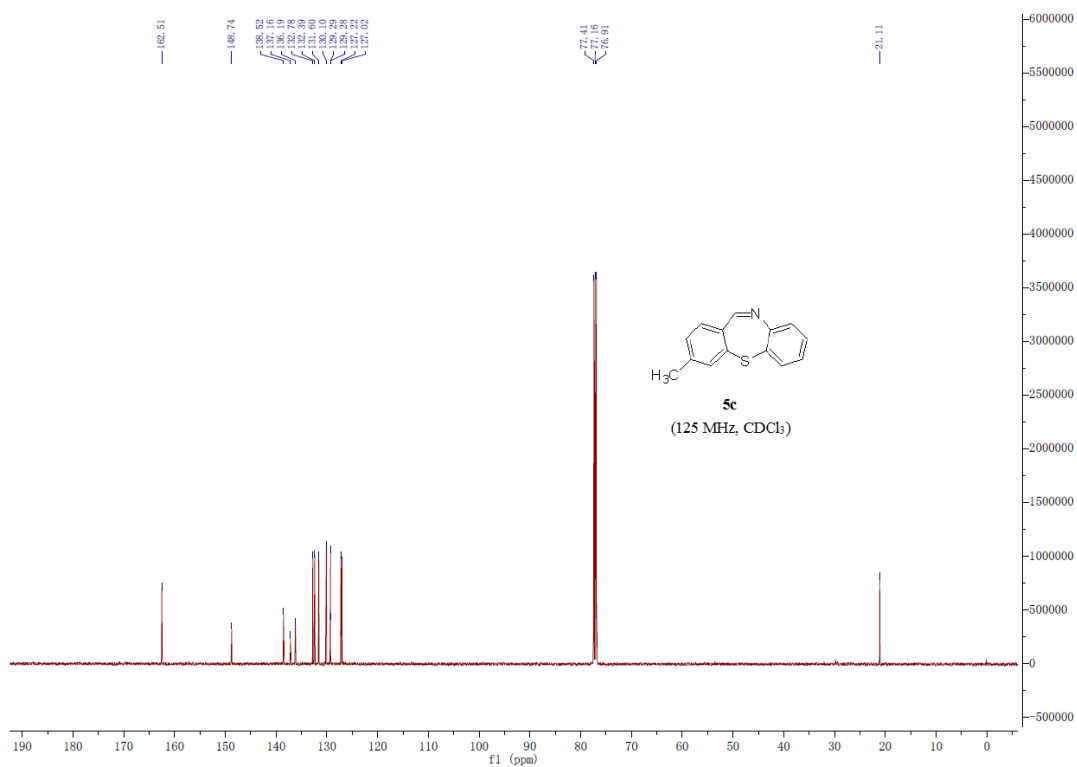
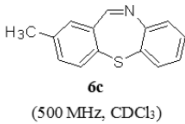


Figure S10: ¹³C NMR (CDCl₃) spectrum of Compound (**5c**)



Chemical structure of **6c** is shown: Cc1ccc2c(c1)nc3ccccc3s2. The spectrum is recorded in CDCl₃ at 125 MHz.

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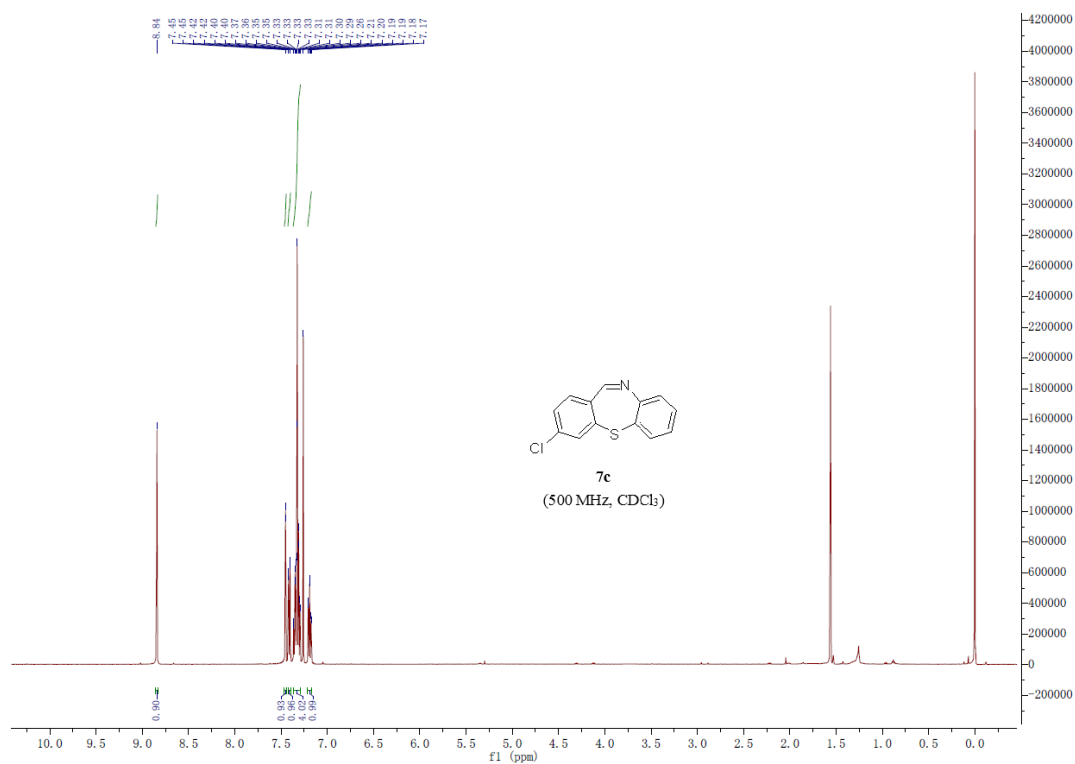


Figure S13: ¹H NMR (CDCl₃) spectrum of Compound (**7c**)

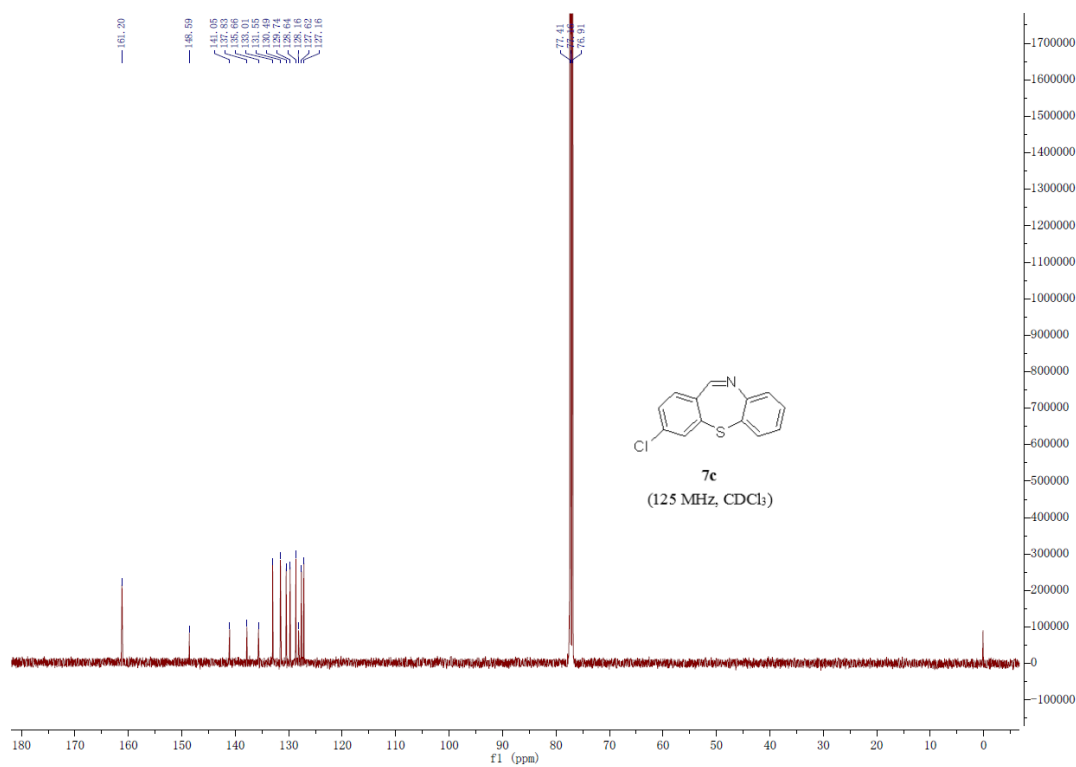


Figure S14: ¹³C NMR (CDCl₃) spectrum of Compound (**7c**)

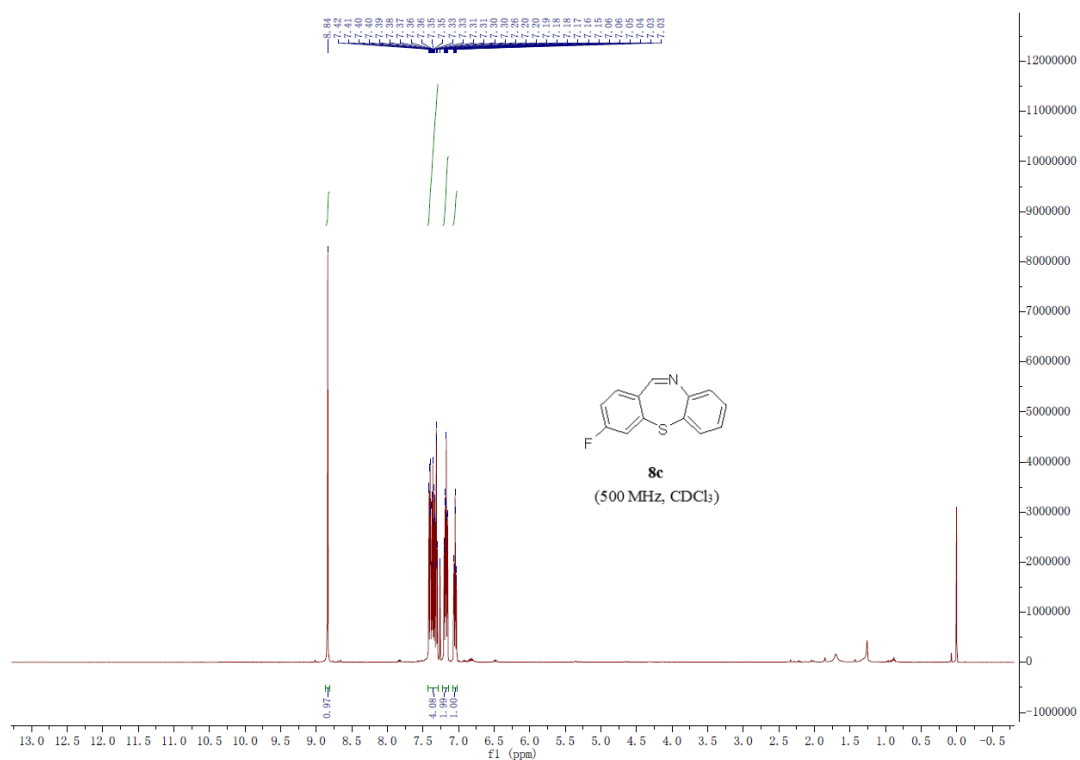


Figure S15: ¹H NMR (CDCl₃) spectrum of Compound (**8c**)

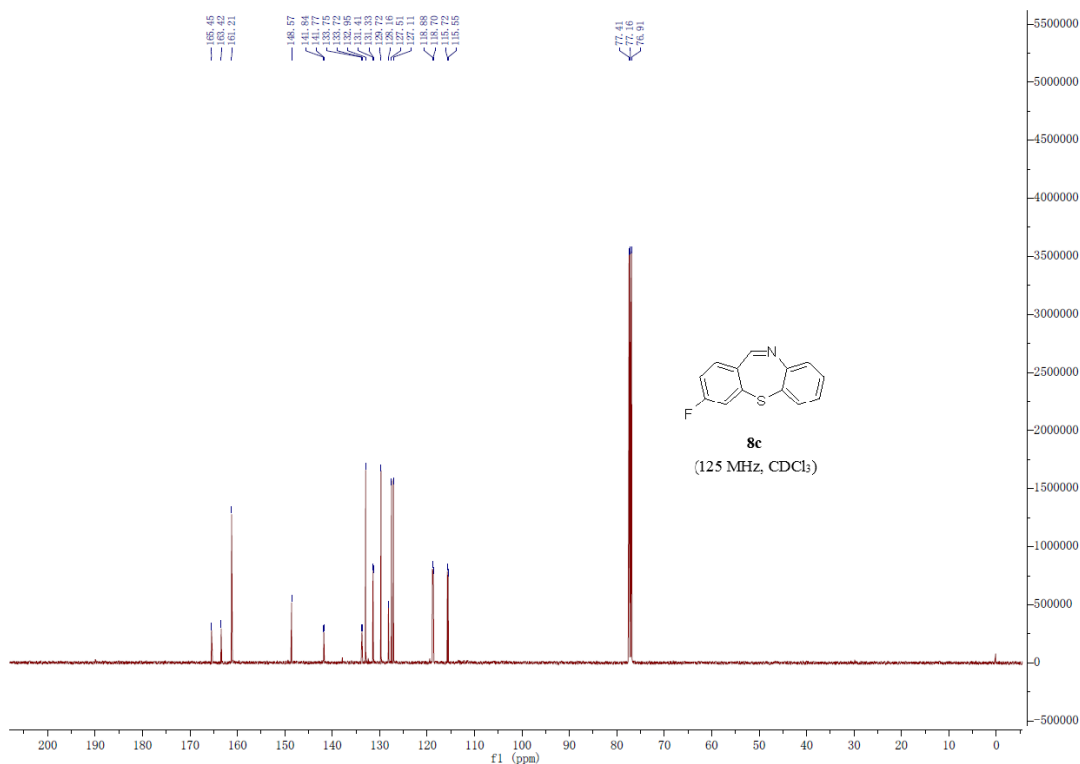


Figure S16: ¹³C NMR (CDCl₃) spectrum of Compound (**8c**)

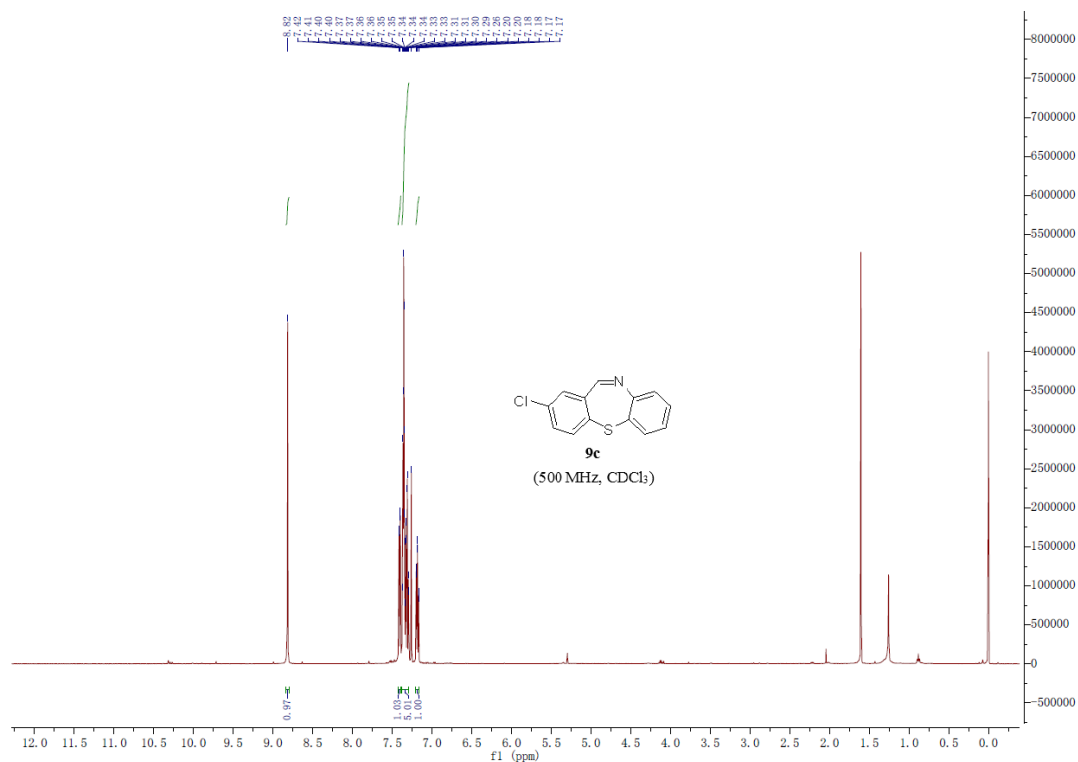


Figure S17: ¹H NMR (CDCl₃) spectrum of Compound (**9c**)

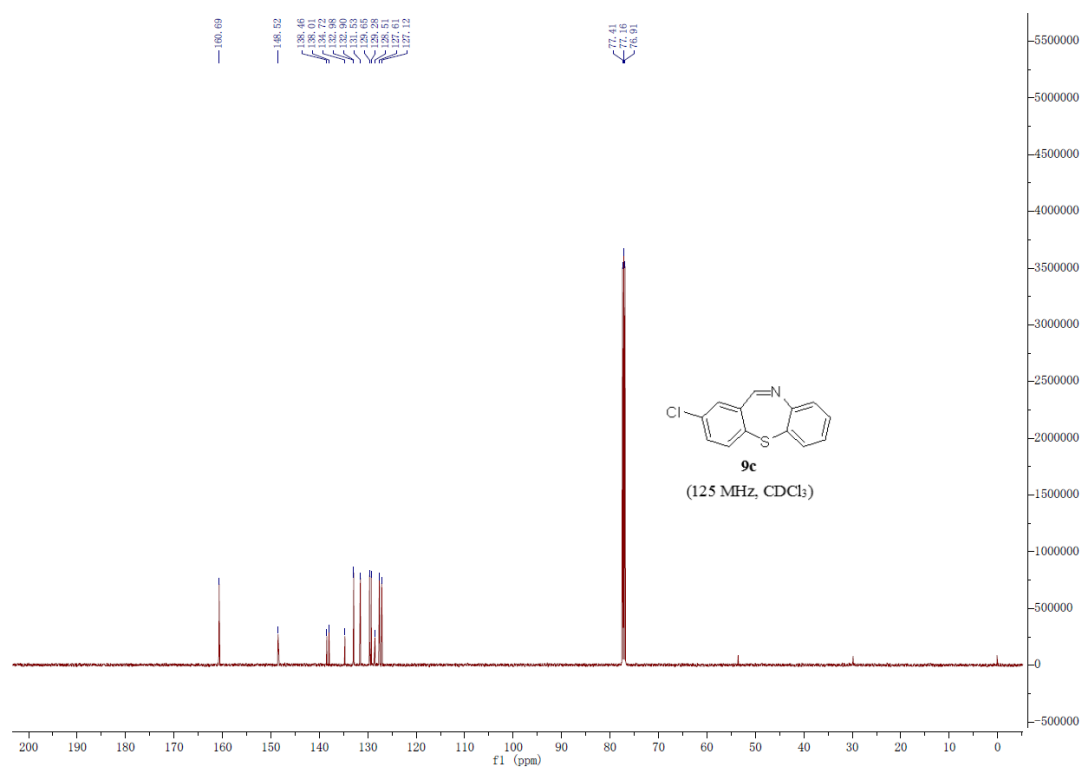
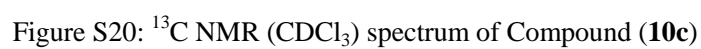
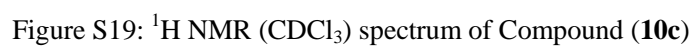


Figure S18: ¹³C NMR (CDCl₃) spectrum of Compound (**9c**)



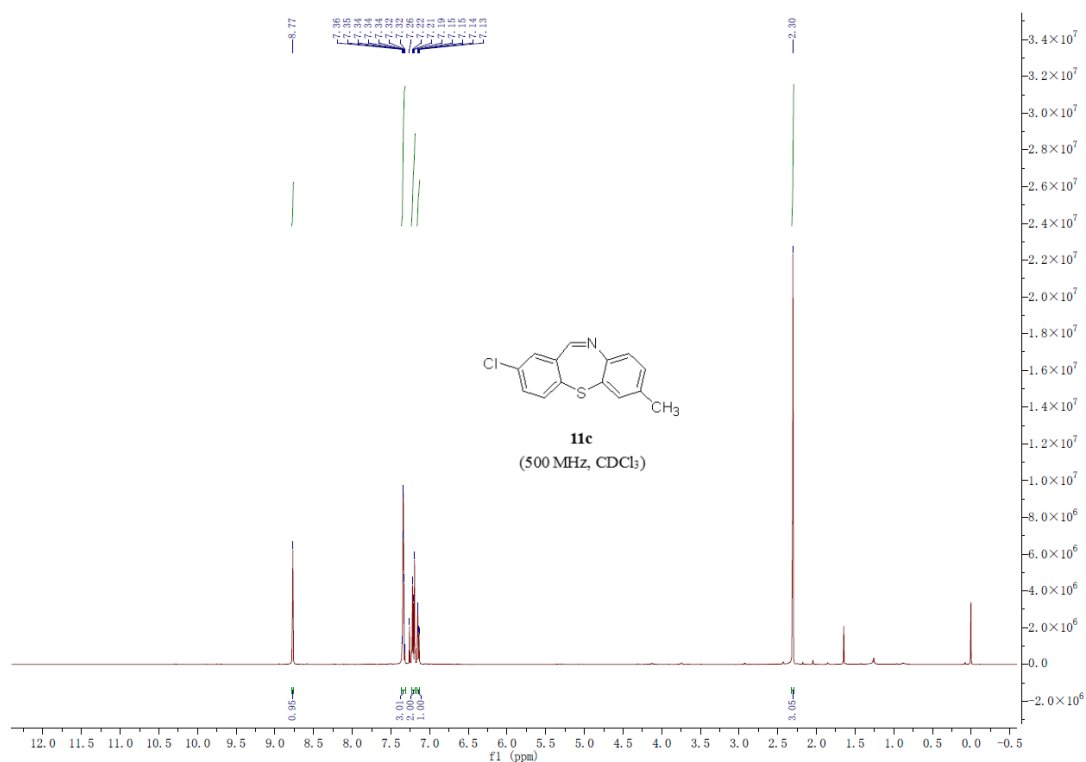


Figure S21: ^1H NMR (CDCl_3) spectrum of Compound (**11c**)

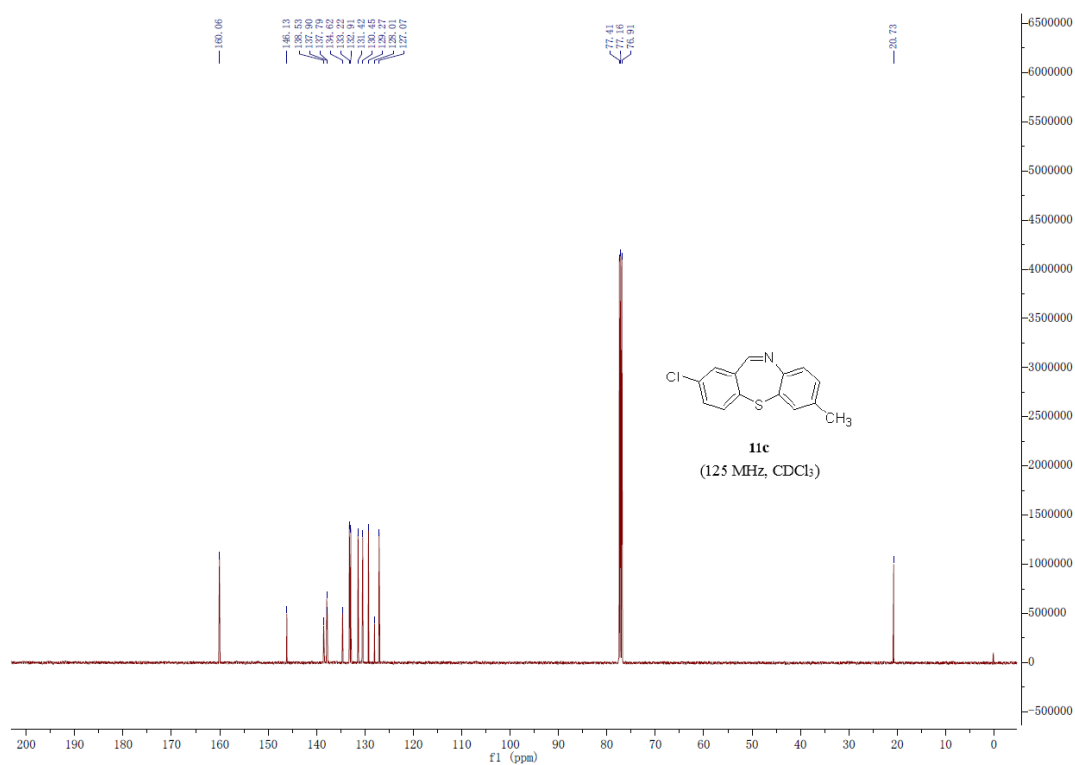


Figure S22: ^{13}C NMR (CDCl_3) spectrum of Compound (**11c**)

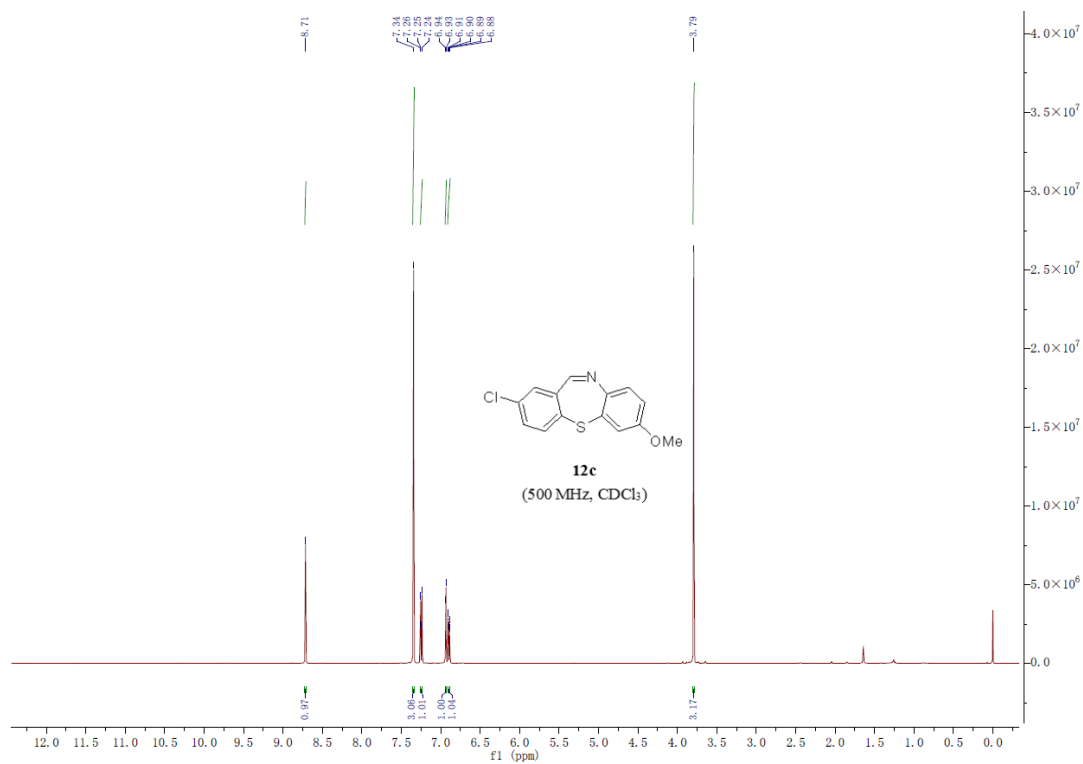


Figure S23: ¹H NMR (CDCl₃) spectrum of Compound (**12c**)

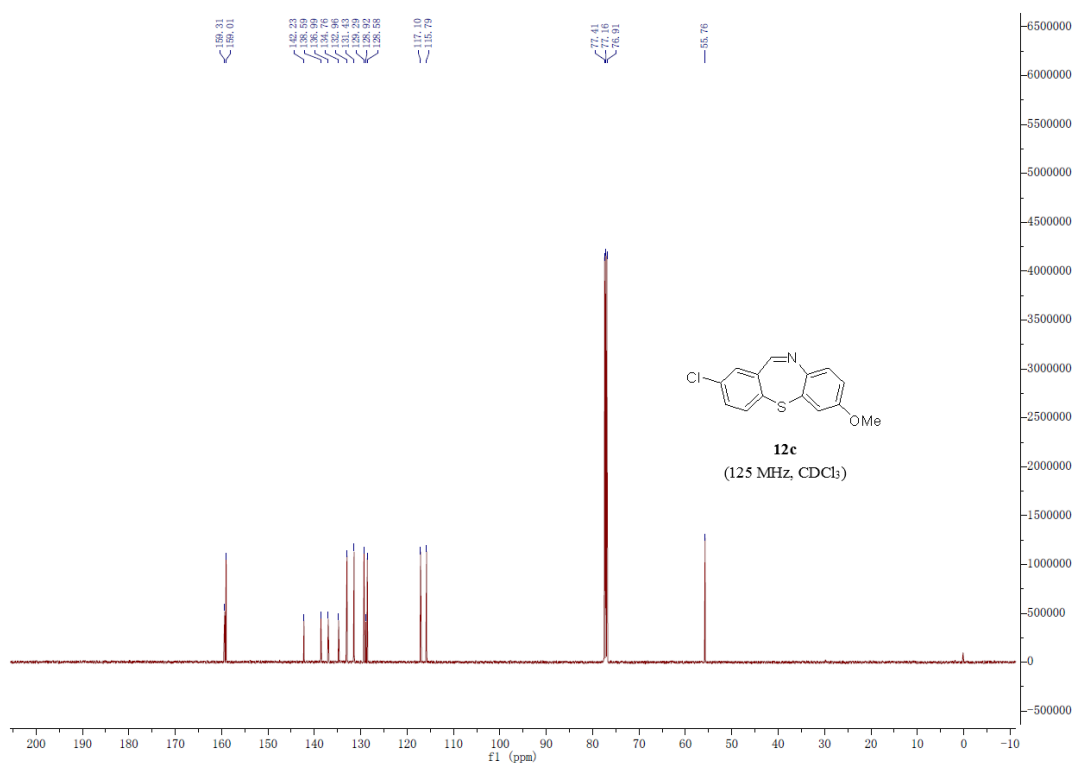
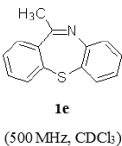


Figure S24: ¹³C NMR (CDCl₃) spectrum of Compound (**12c**)

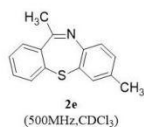


Chemical structure of **1e** (2-methyl-2,3-dihydro-1,4-benzoxazine) is shown above the spectrum.

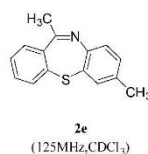
1e
(125 MHz, CDCl_3)

Peak list (ppm): 168.87, 146.78, 140.03, 138.49, 132.47, 132.40, 130.75, 129.20, 128.86, 127.98, 127.60, 77.41, 77.16, 76.91, 31.60.

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2e
(125MHz, CDCl₃)



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