

## Supplementary Materials

# Spin-labeled Diclofenac: Synthesis and Interaction with Lipid Membranes

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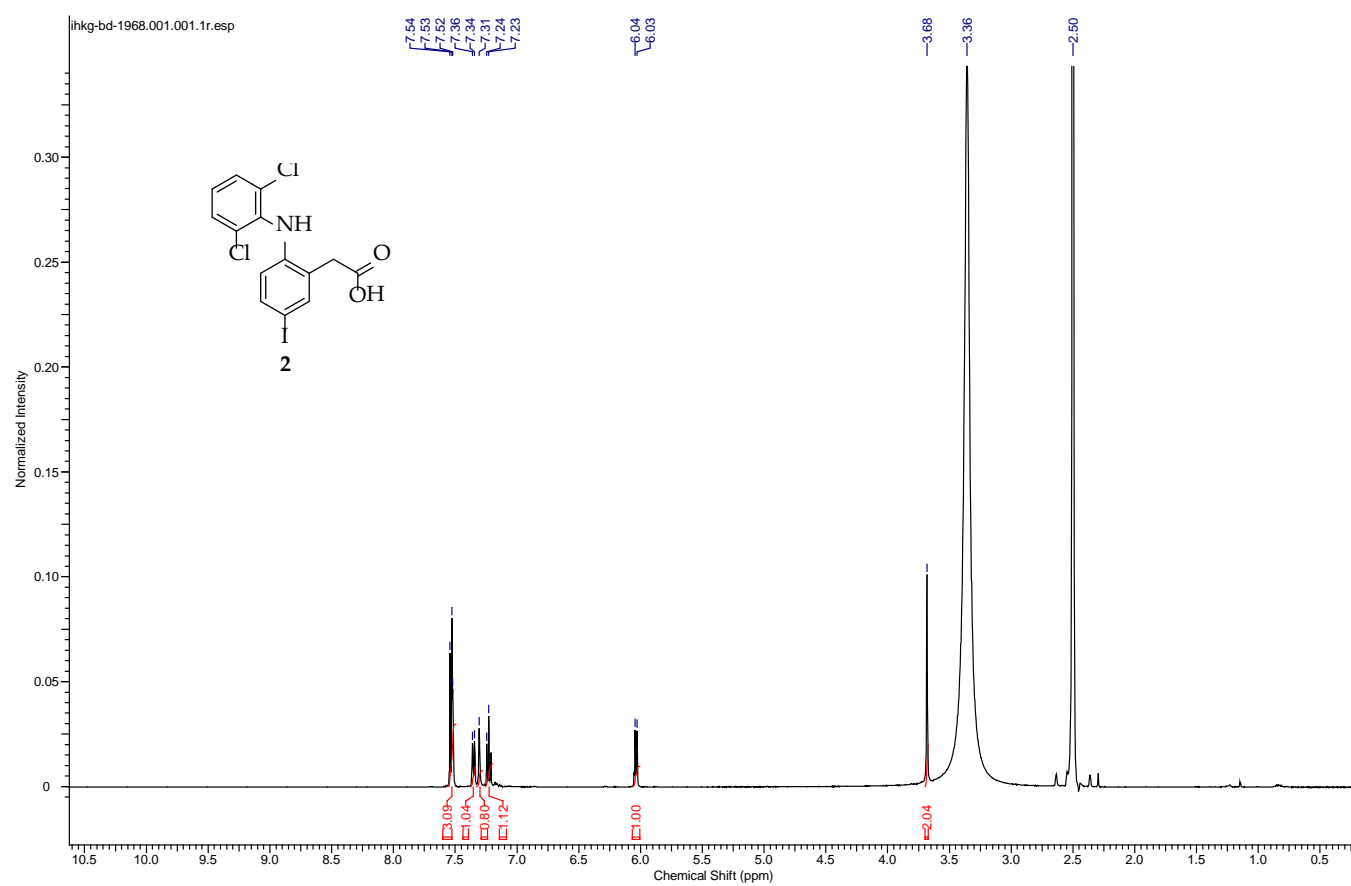
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**Figure S1.**  $^1\text{H}$ -NMR spectrum of compound 2 in  $\text{DMSO-D}_6$ .

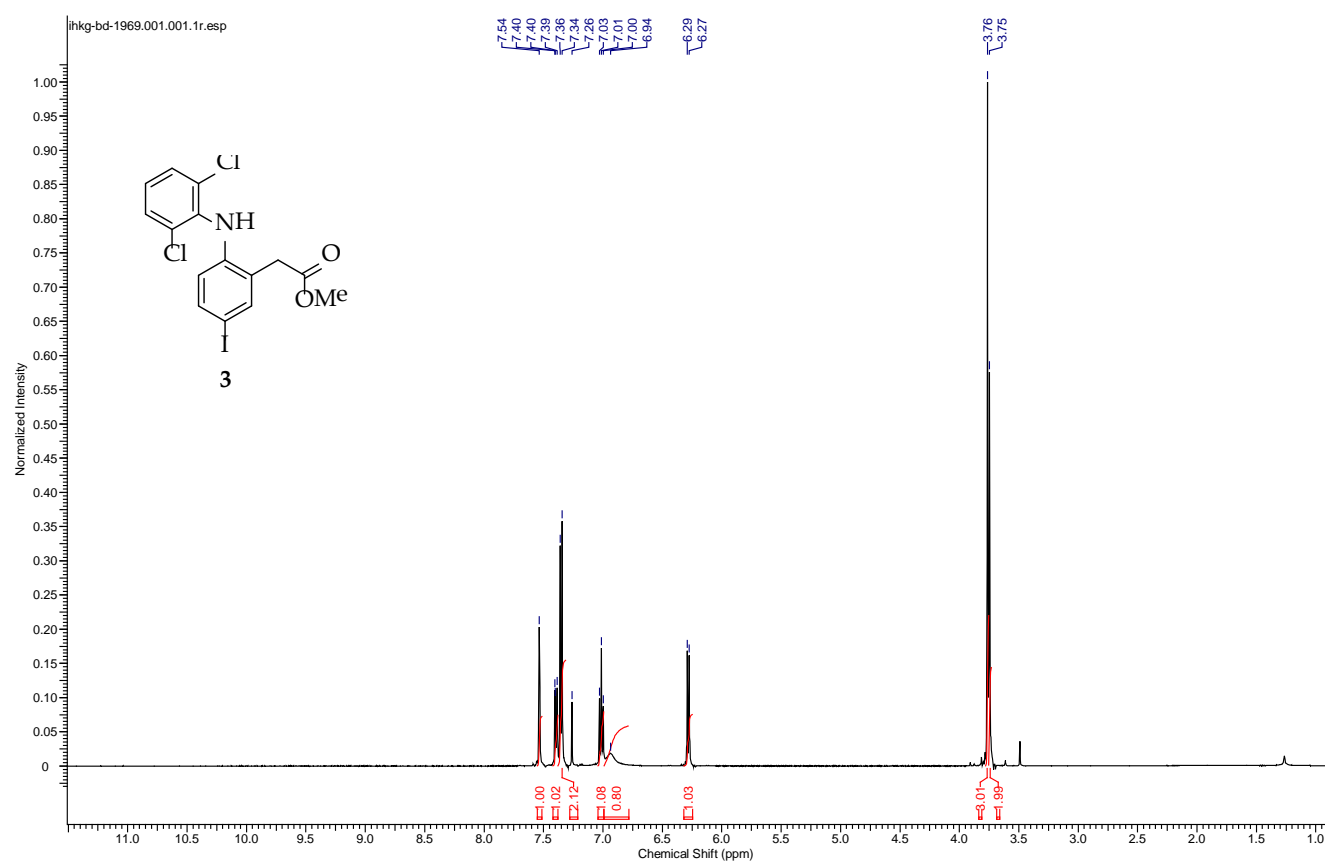


Figure S2.  $^1\text{H}$ -NMR spectrum of compound 3 in  $\text{CDCl}_3$ .

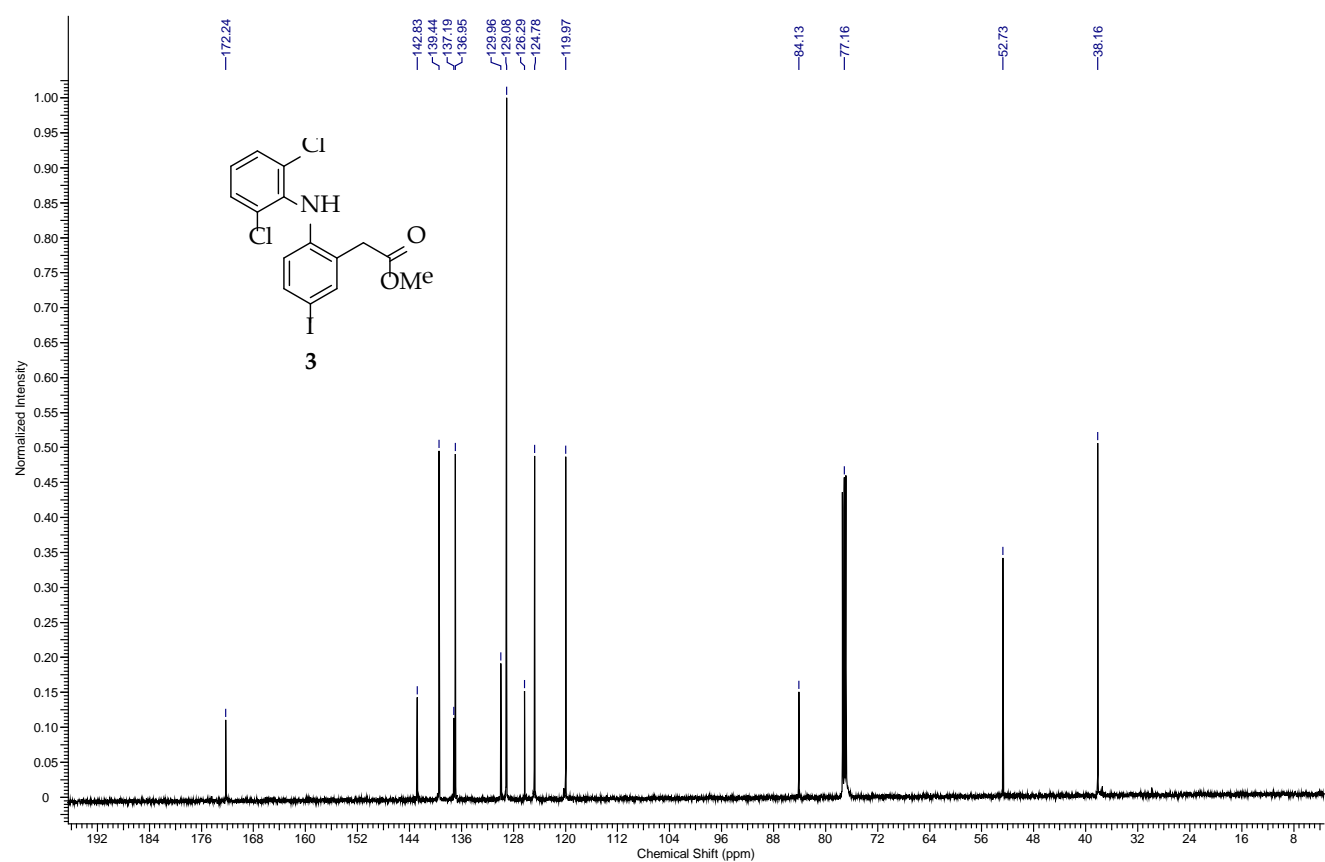
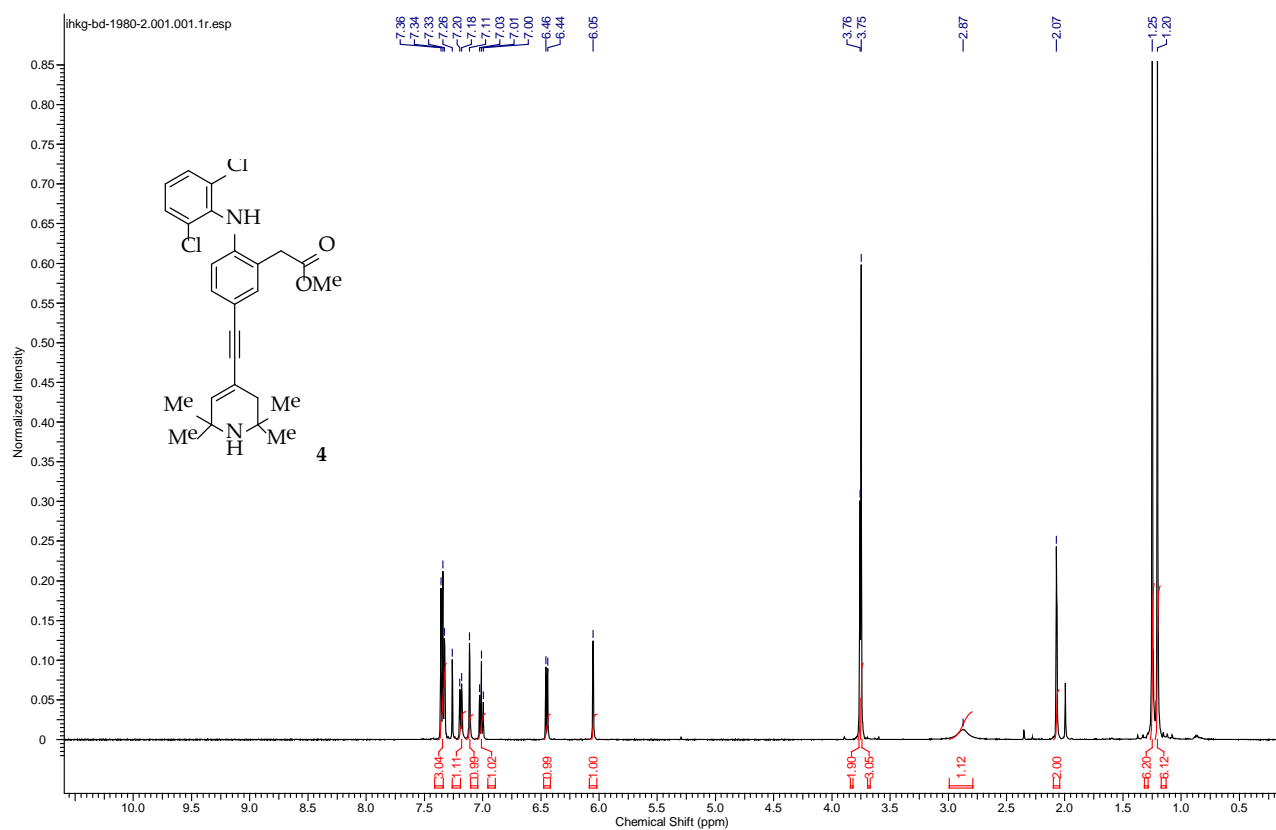
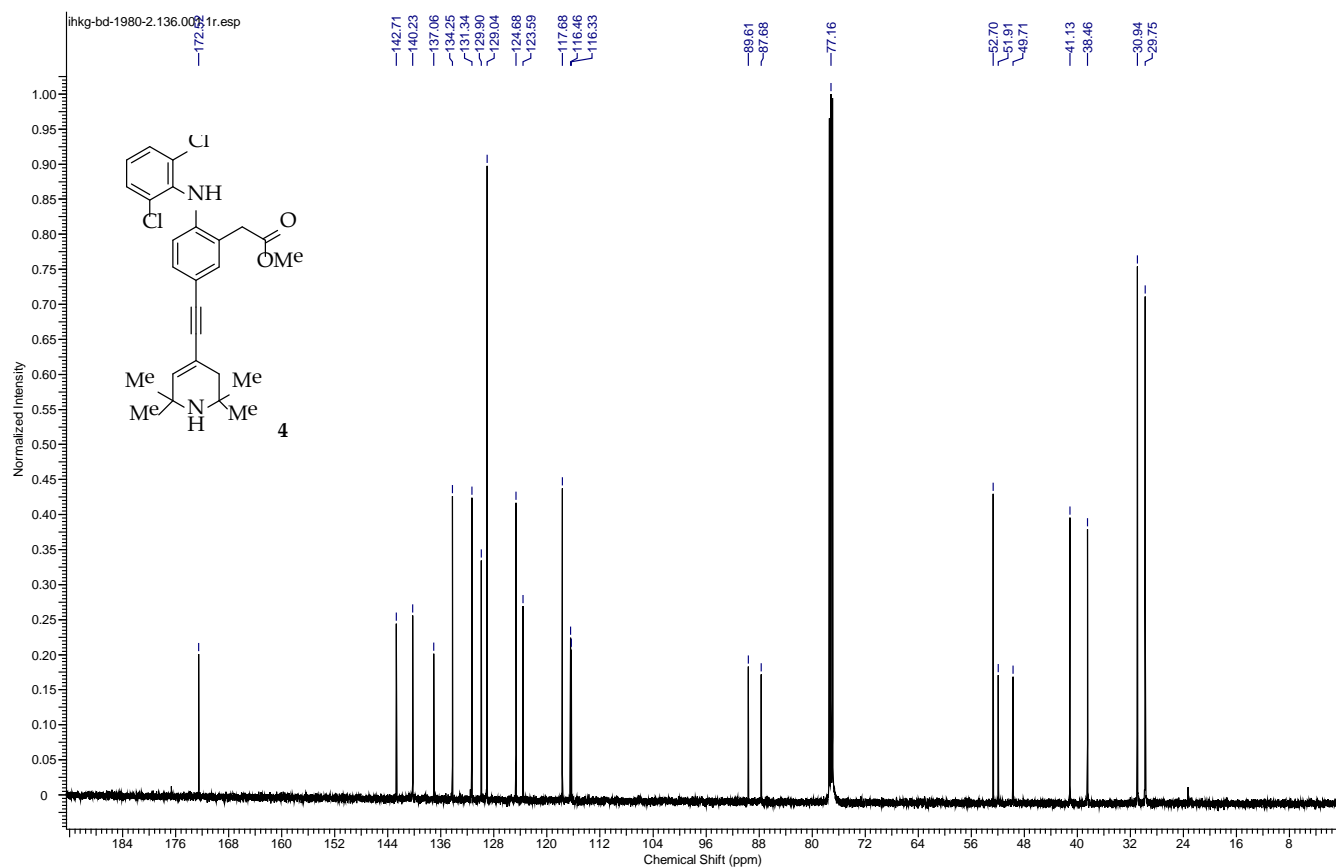


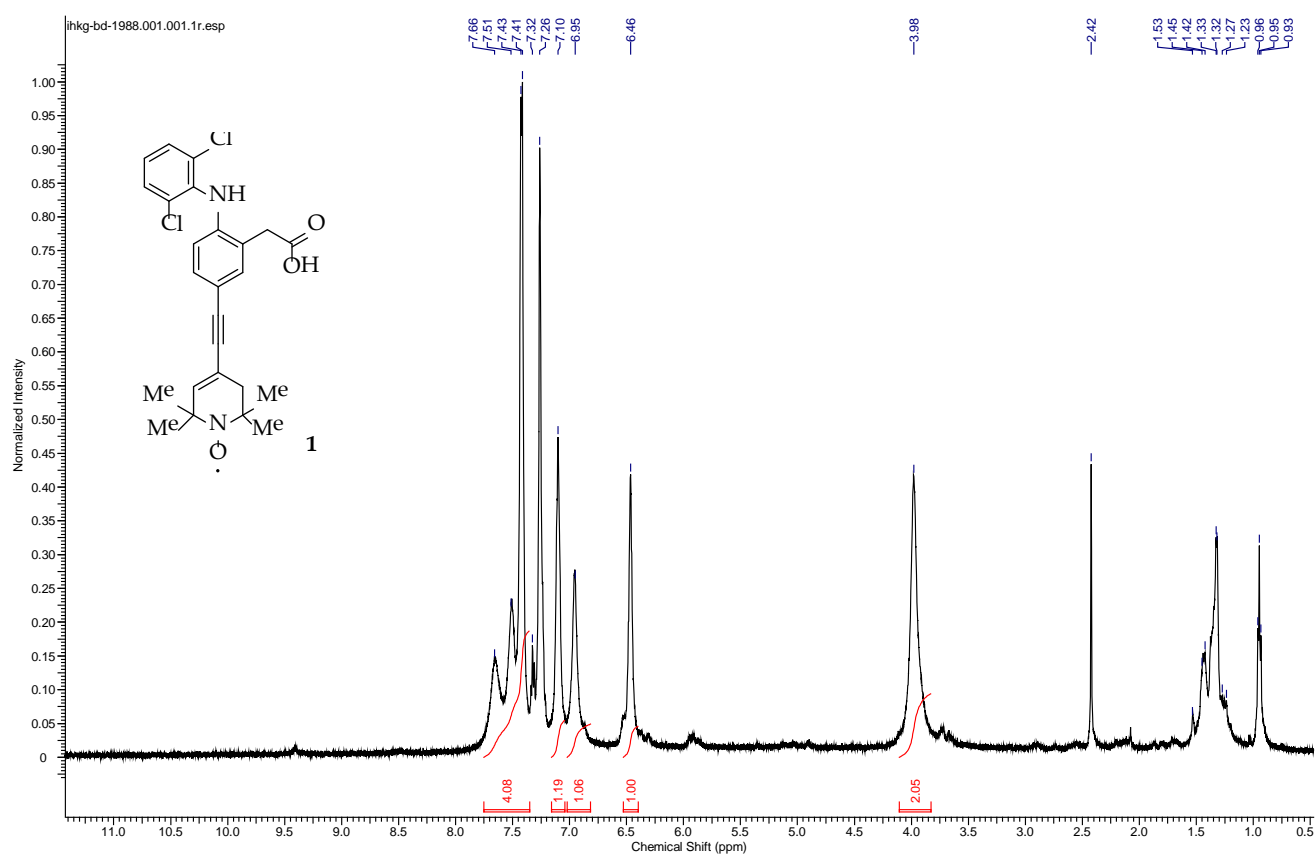
Figure S3.  $^{13}\text{C}$ -NMR spectrum of compound 3 in  $\text{CDCl}_3$ .



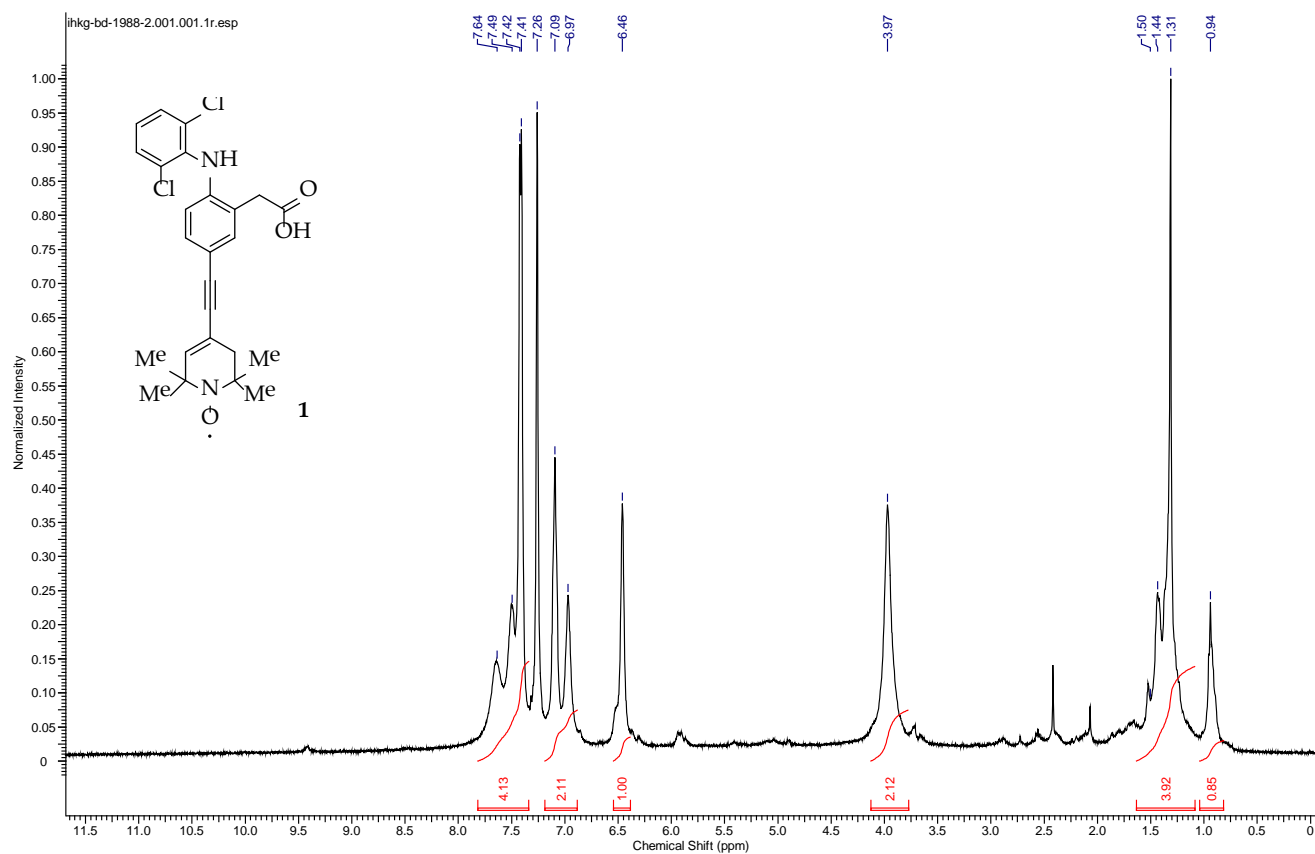
**Figure S4.** <sup>1</sup>H-NMR spectrum of compound **4** in CDCl<sub>3</sub>.



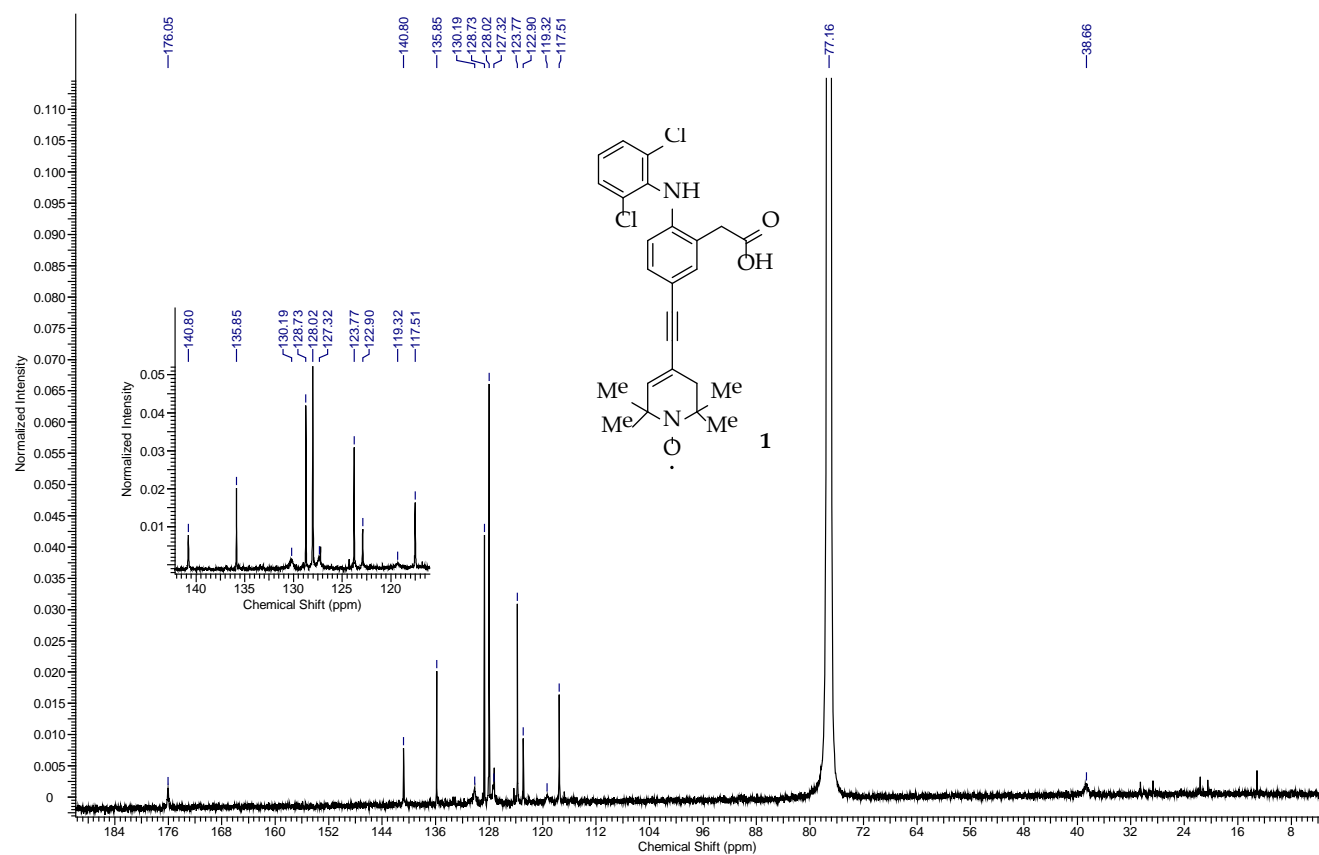
**Figure S5.** <sup>13</sup>C-NMR spectrum of compound **4** in CDCl<sub>3</sub>.



**Figure S6.**  $^1\text{H}$ -NMR spectrum of compound **1** in  $\text{CDCl}_3$ .



**Figure S7.**  $^1\text{H}$ -NMR spectrum of compound **1** in  $\text{CDCl}_3$  after one month of storage in the environment.



**Figure S8.** <sup>13</sup>C-NMR spectrum of compound **1** in CDCl<sub>3</sub>.