

Supplementary Information

N-Hydroxyphthalimide Catalysts as Bioactive Pro-Oxidants

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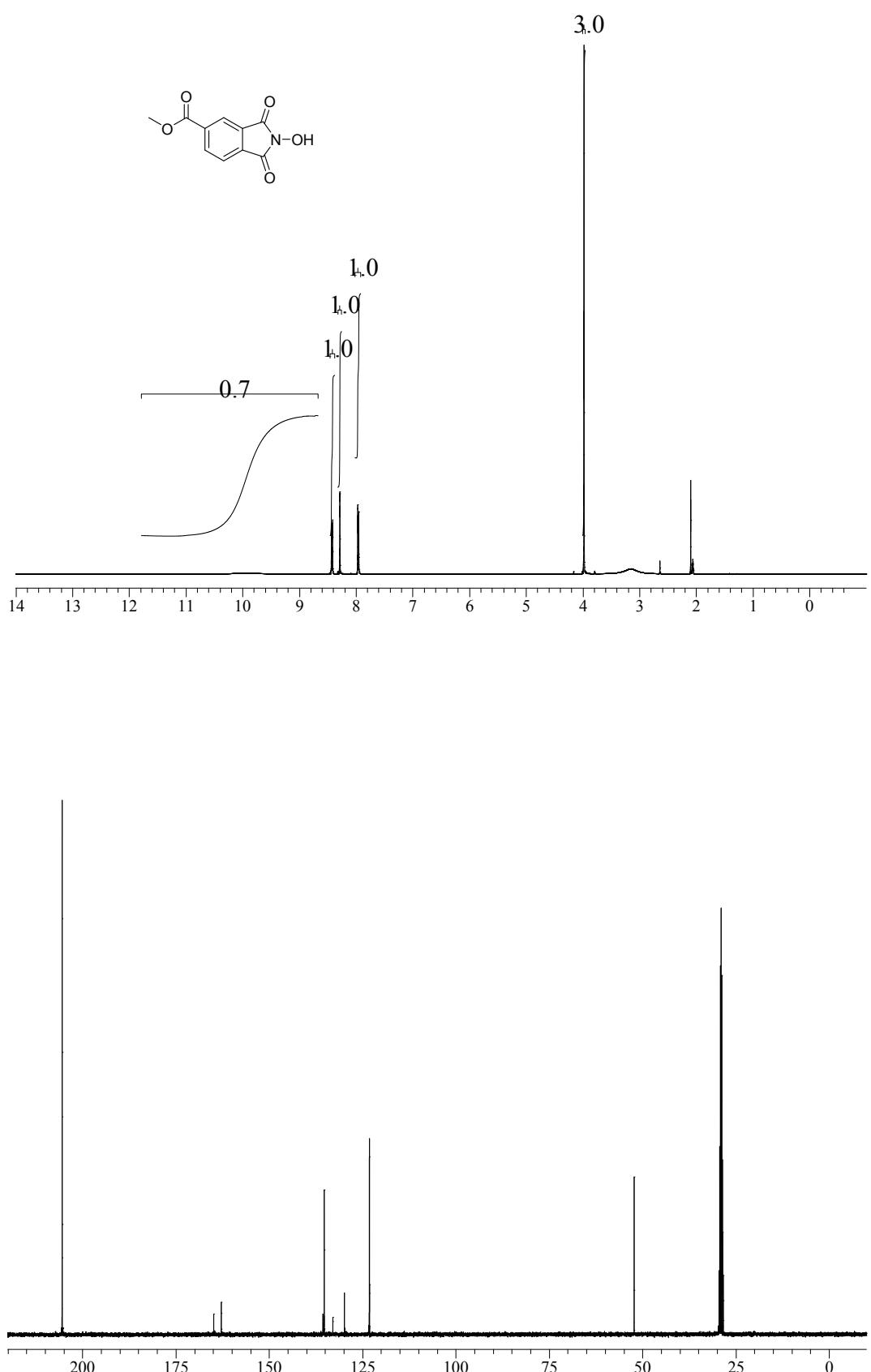


Figure SI 1. ¹H-NMR and ¹³C-NMR spectra of compound **1-OH**. Solvent: acetone-d₆.

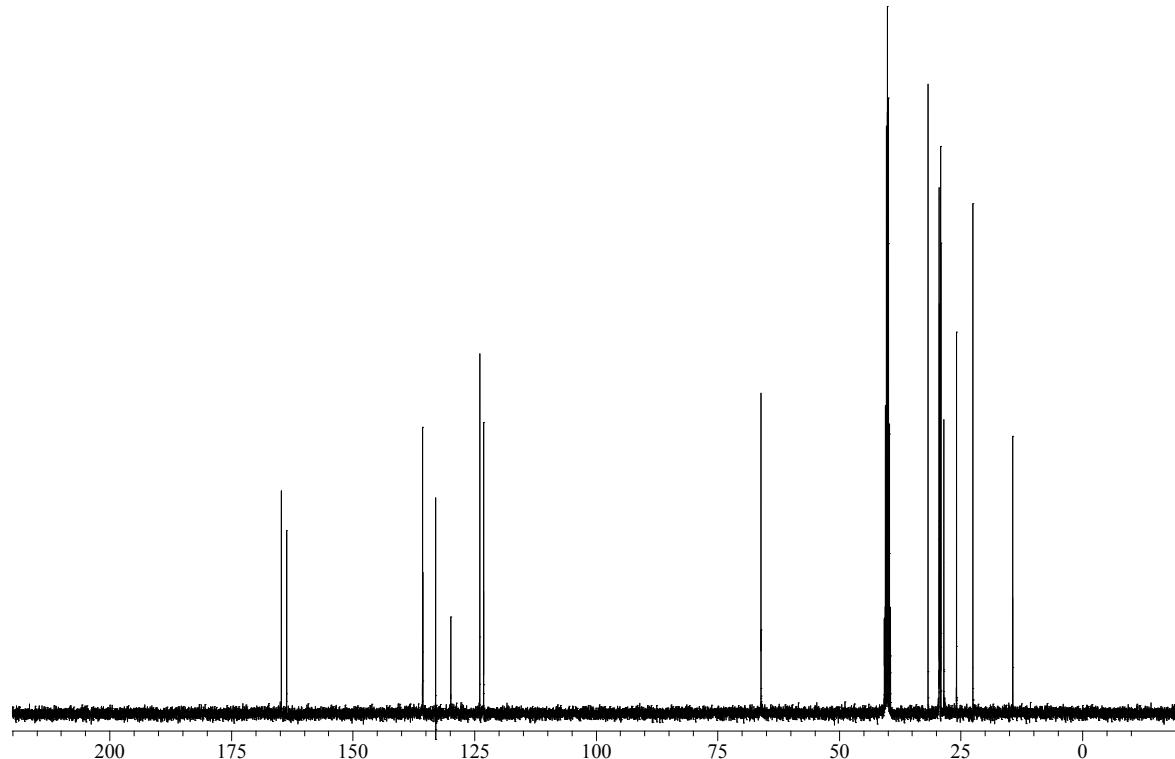
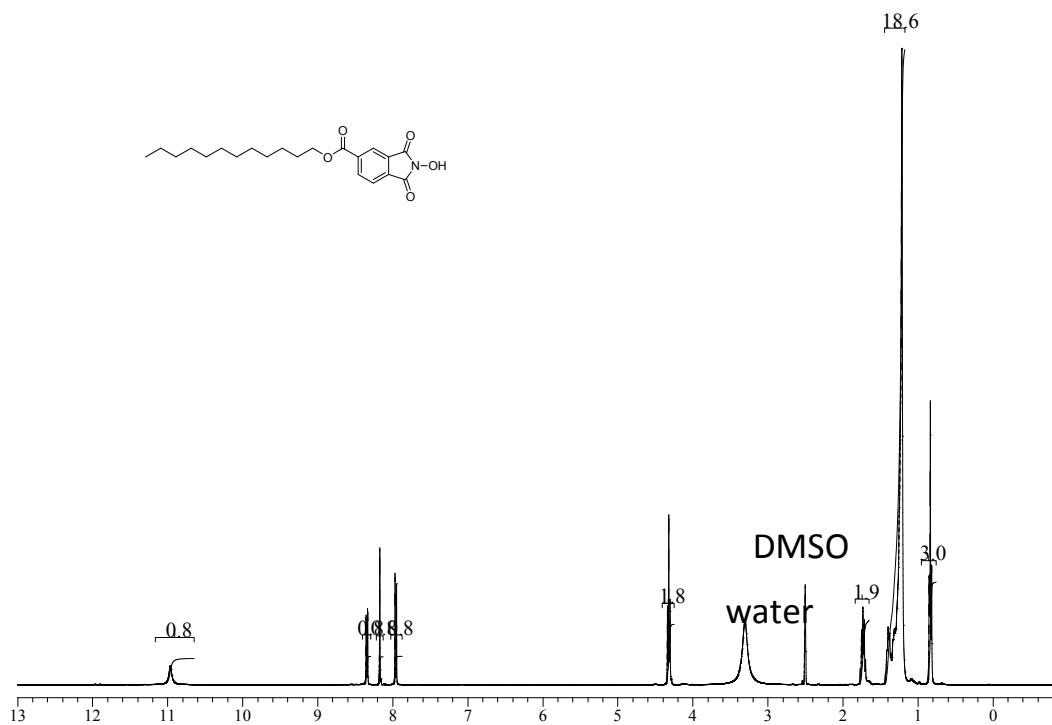


Figure SI 2. ^1H -NMR and ^{13}C -NMR spectrum of compound **2-OH**. Solvent: DMSO- d_6 .

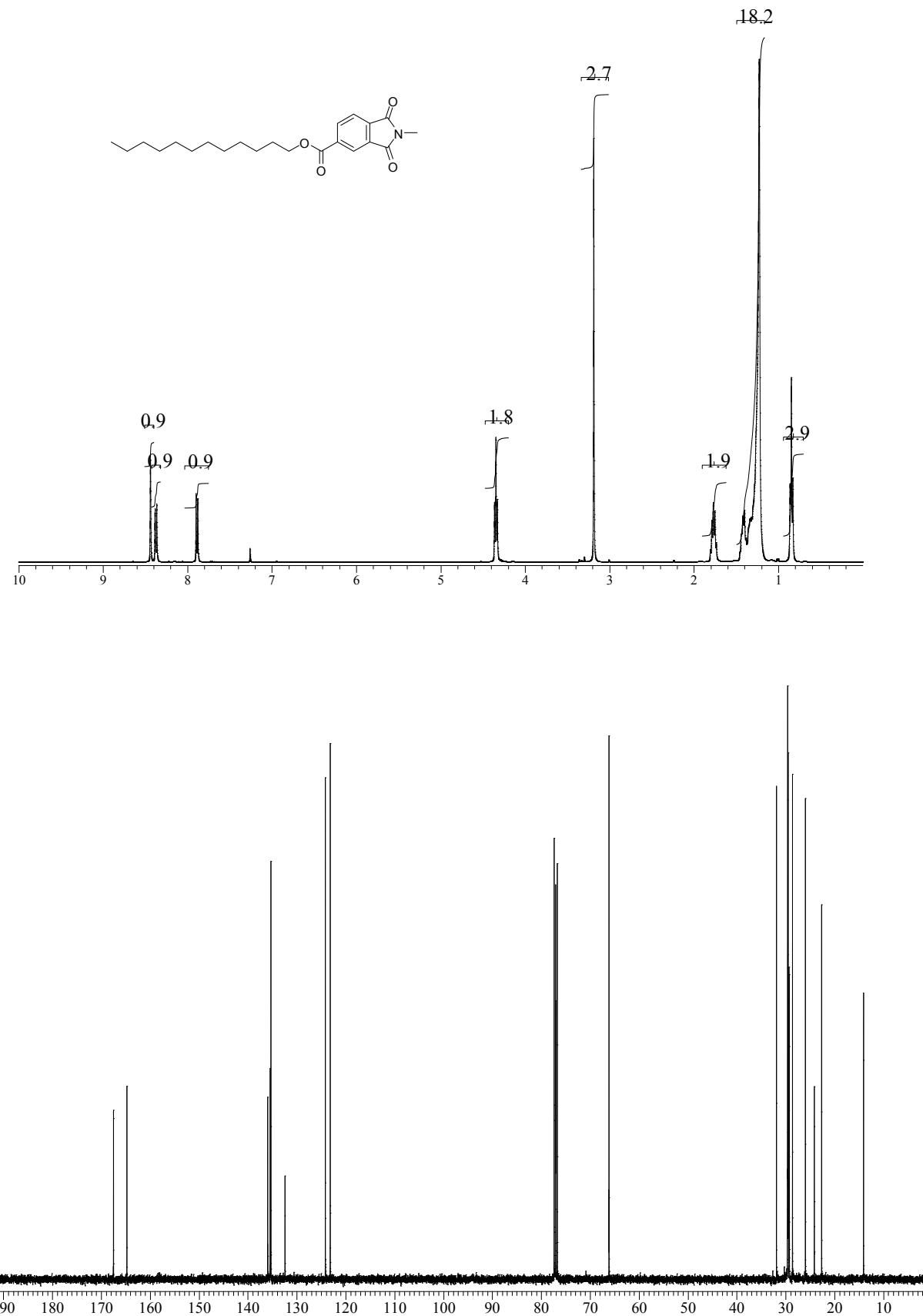


Figure SI 3. ¹H-NMR and ¹³C-NMR spectrum of compound **2-Me**. Solvent: CDCl₃.

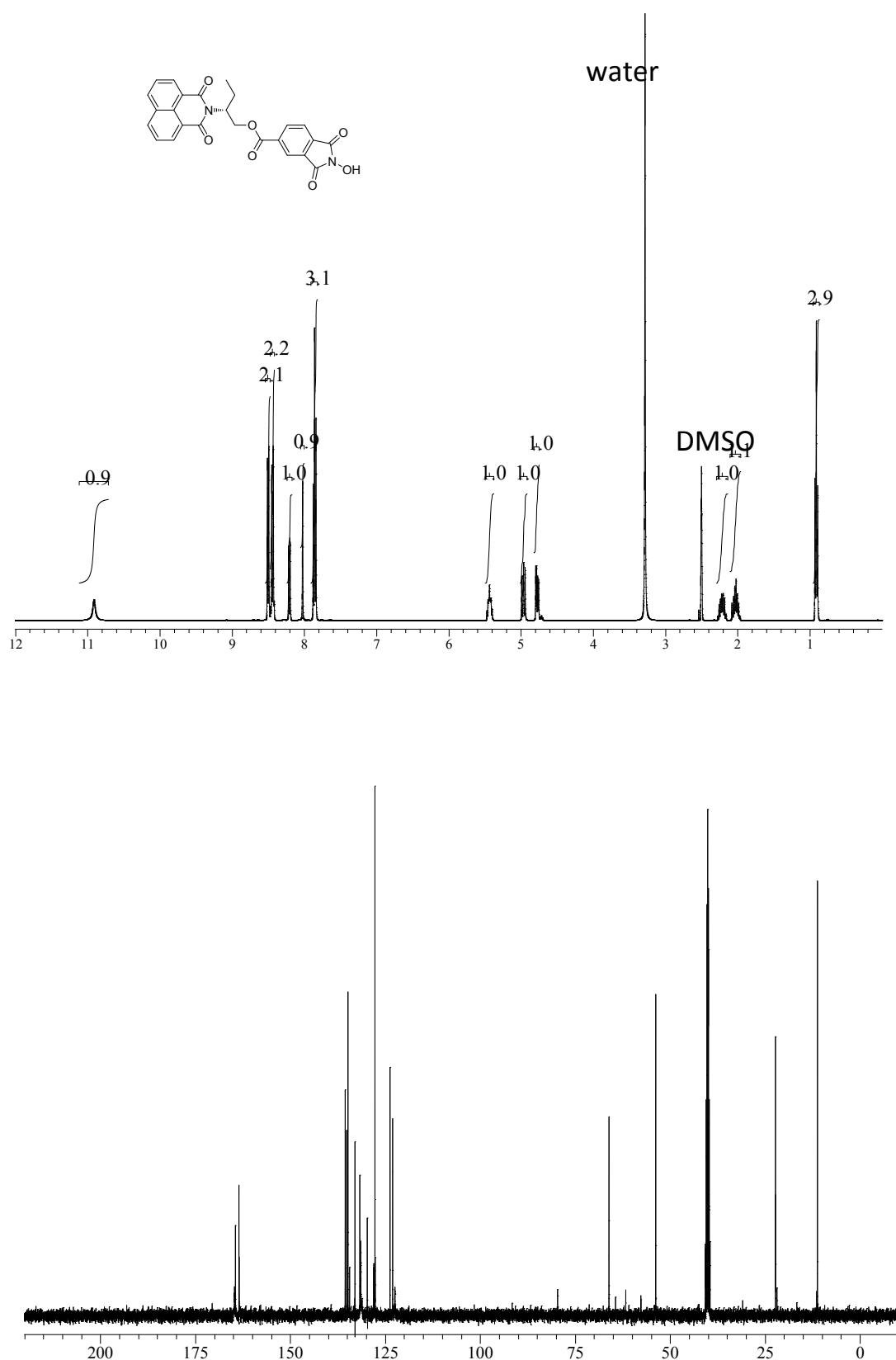


Figure SI 4. ^1H -NMR and ^{13}C -NMR spectrum of compound **3-OH**. Solvent: DMSO-d_6 .

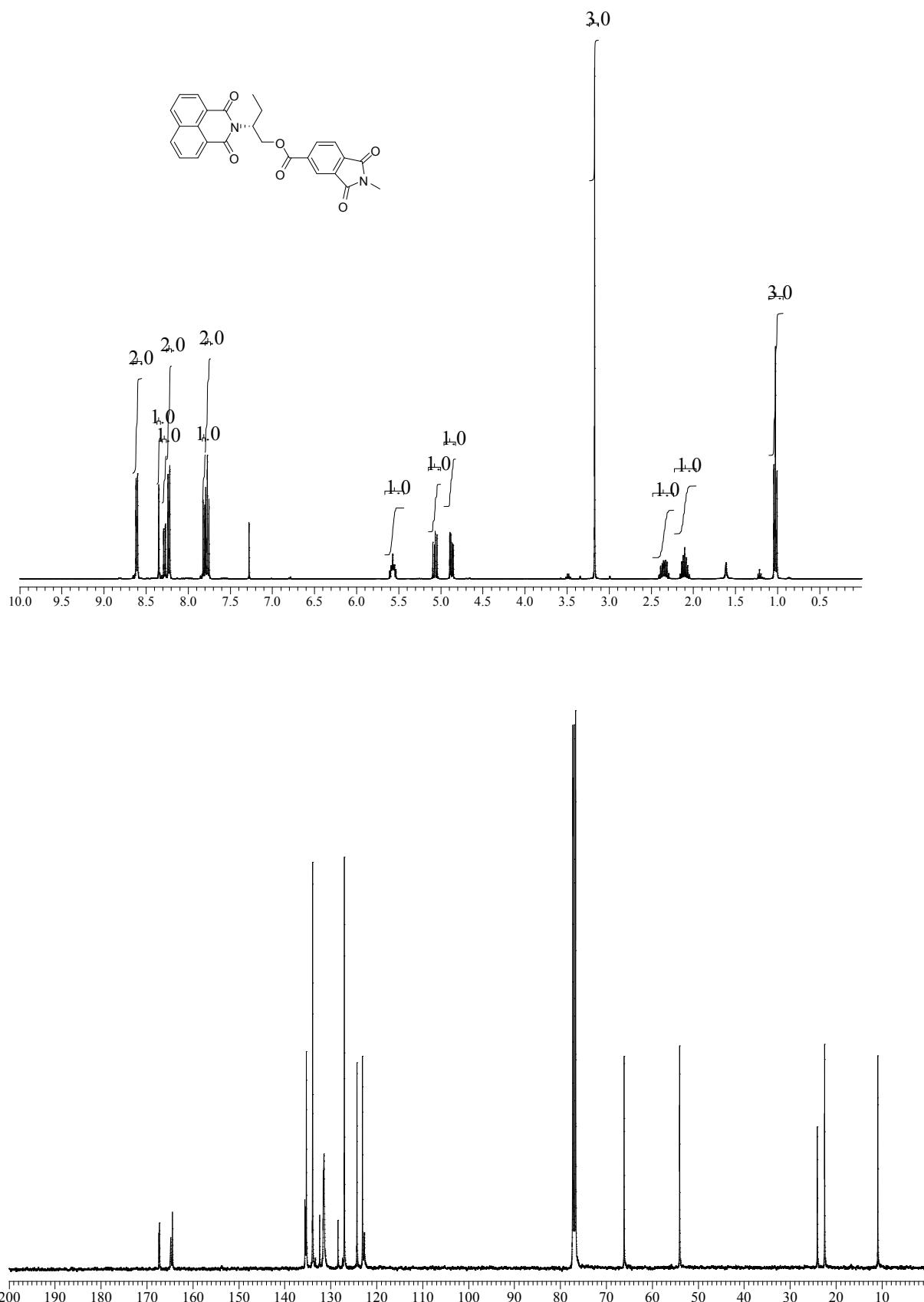


Figure SI 5. ¹H-NMR and ¹³C-NMR spectrum of compound 3-Me. Solvent: CDCl₃.

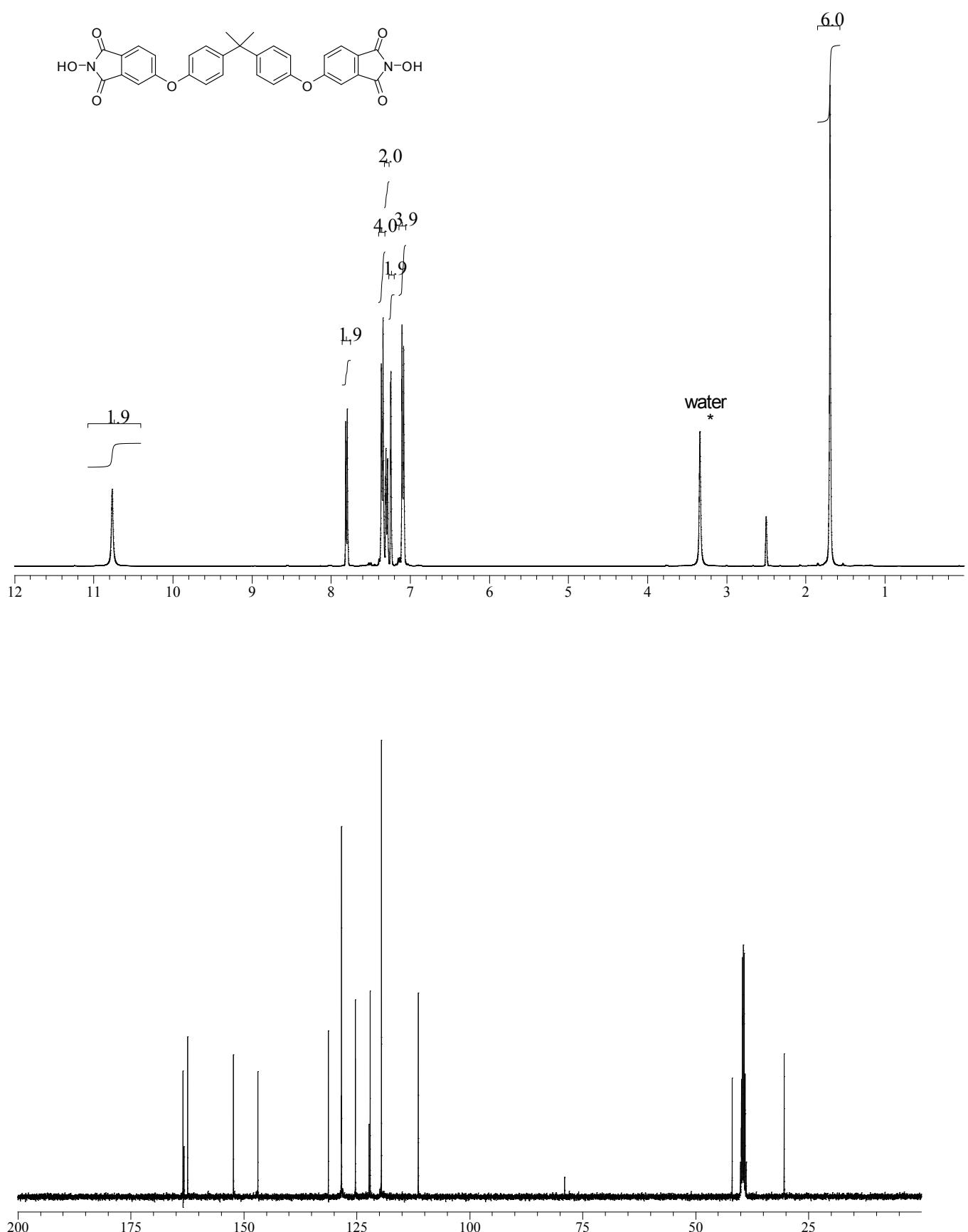


Figure SI 6. ¹H-NMR and ¹³C-NMR spectrum of compound 4-OH. Solvent: DMSO-d₆.

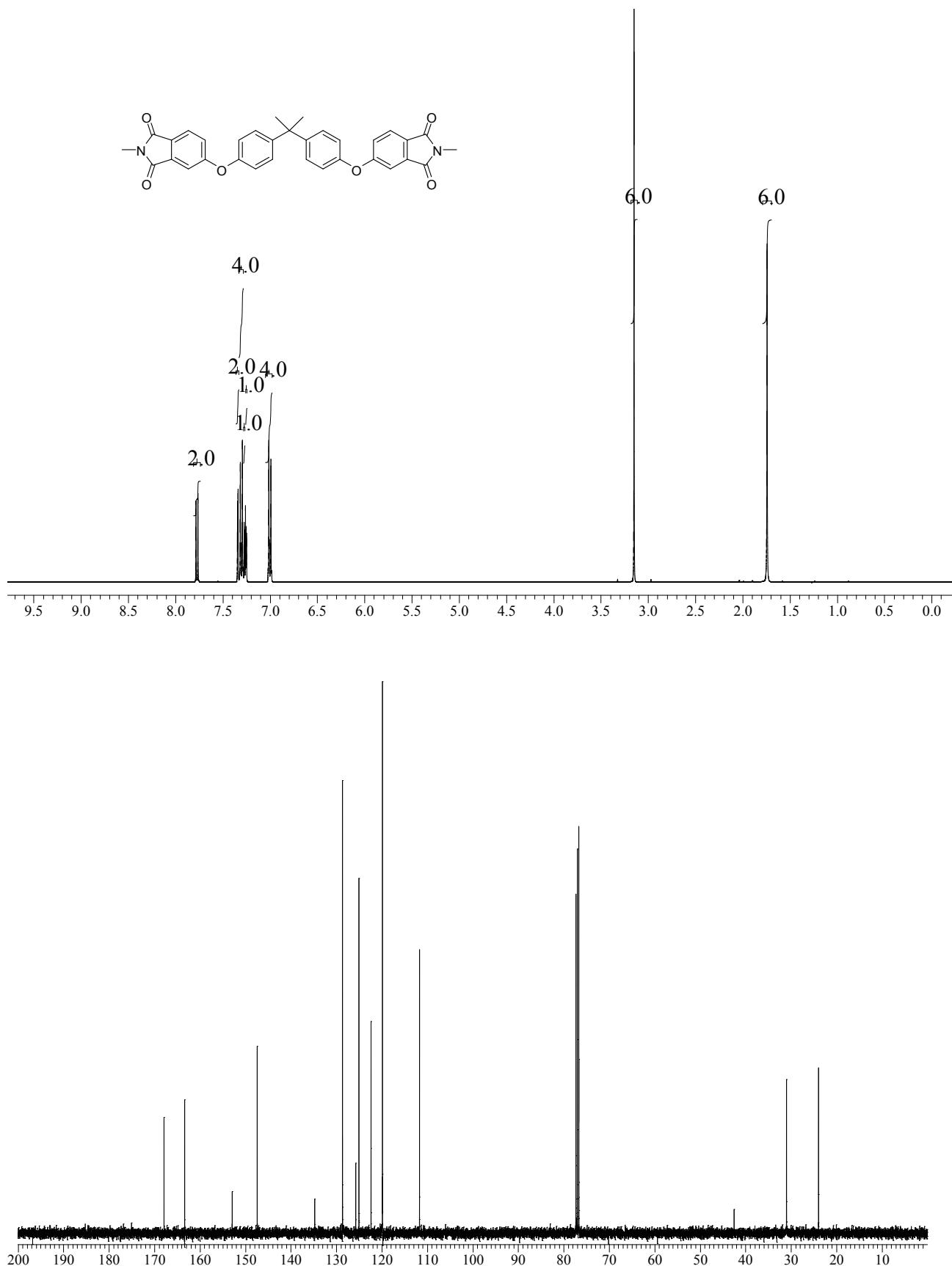


Figure SI 7. ¹H-NMR and ¹³C-NMR spectrum of compound 4-Me. Solvent: CDCl₃.

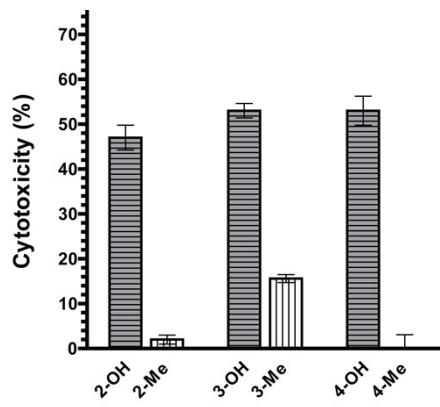


Figure SI 8. Cytotoxicity of **2-OH**, **3-OH**, and **4-OH** (each at its EC₅₀ that were 100 µM, 200 µM, and 110 µM, respectively) in MG-63 cells, each compared with the respective -Me derivative tested at the same concentration.

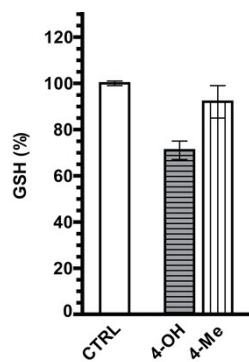


Figure SI 9. GSH content in MG-63 cells treated with **4-OH** and **4-Me** compounds *vs.* untreated control cells (CTRL).

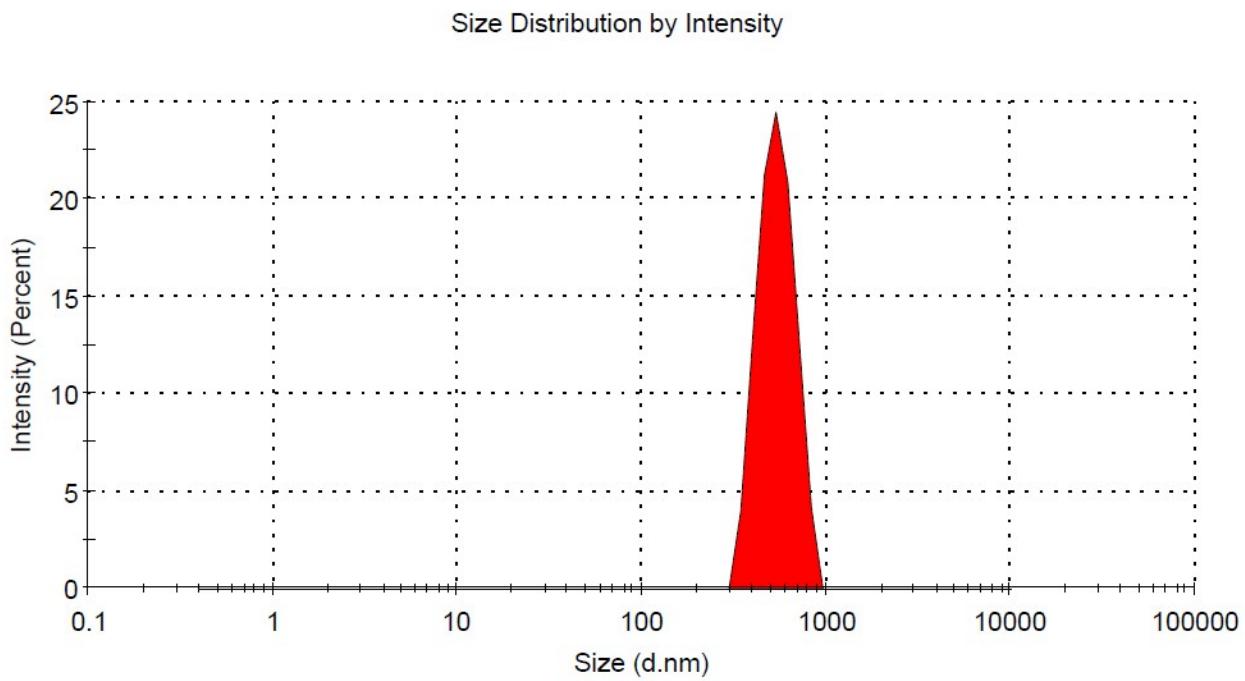


Figure SI 10. Dynamic Light Scattering (DLS) analysis of the hydrodynamic diameter of **2-OH**-aggregates in water.

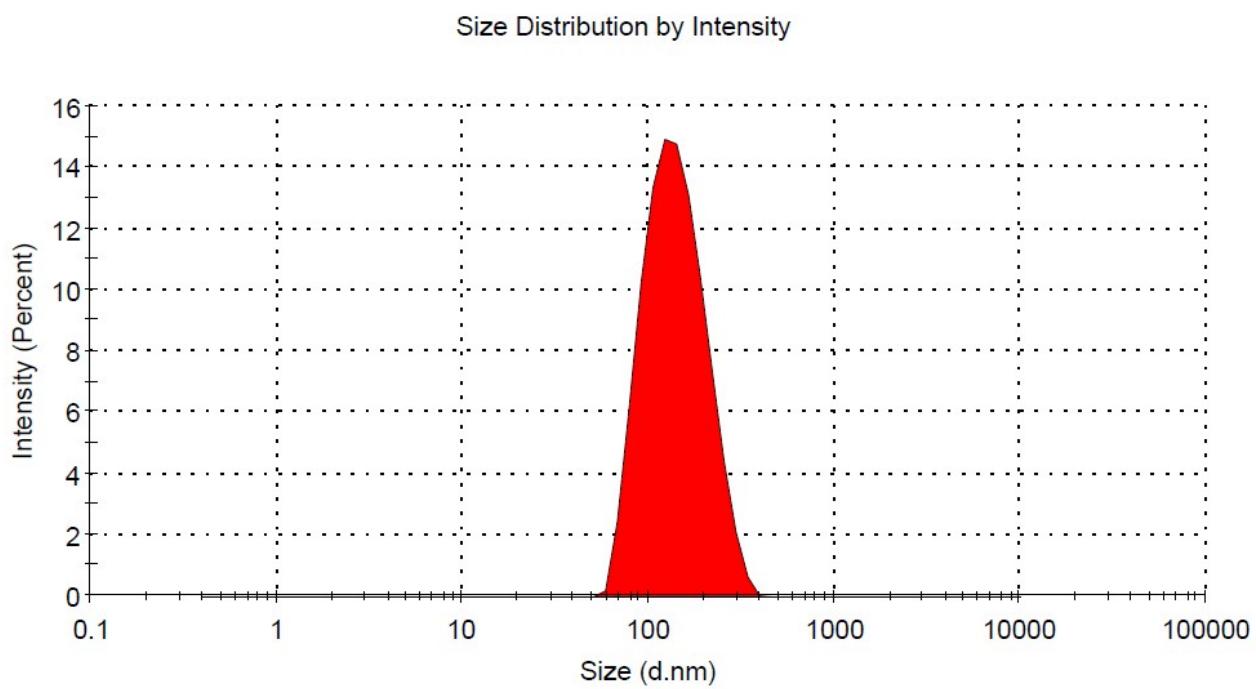


Figure SI 11. Dynamic Light Scattering (DLS) analysis of the hydrodynamic diameter of **3-OH**-aggregates in water.

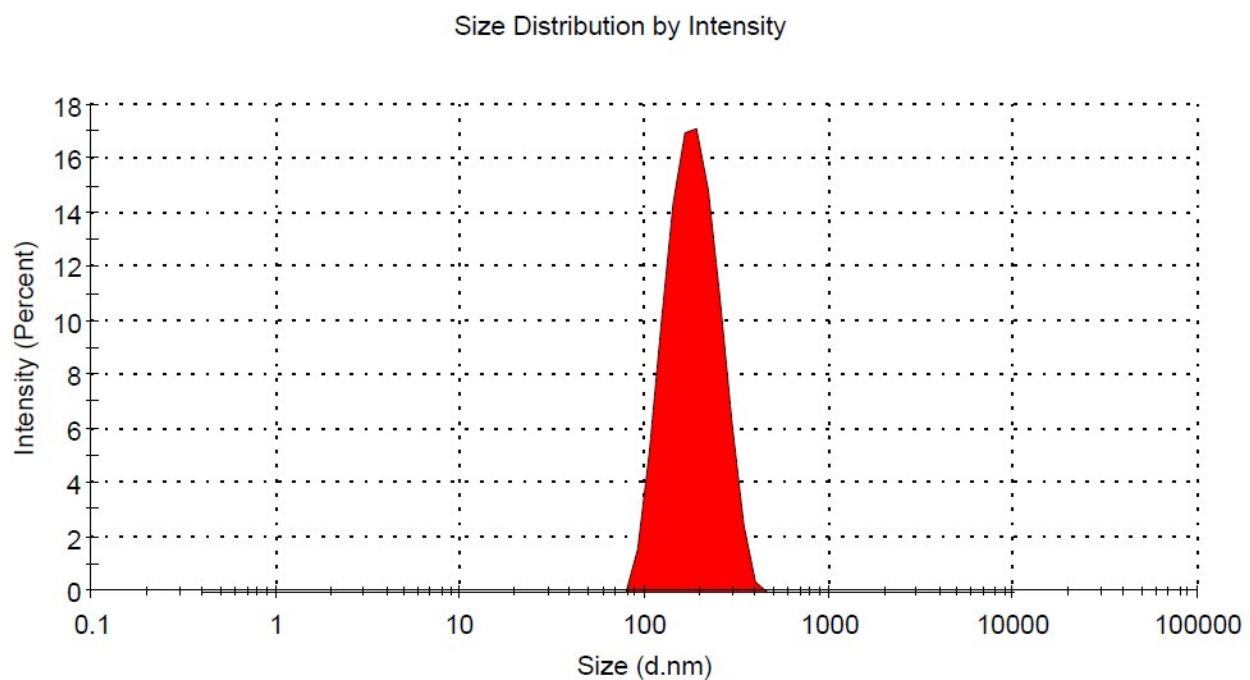


Figure SI 12. Dynamic Light Scattering (DLS) analysis of the hydrodynamic diameter of **4-OH**-aggregates in water.

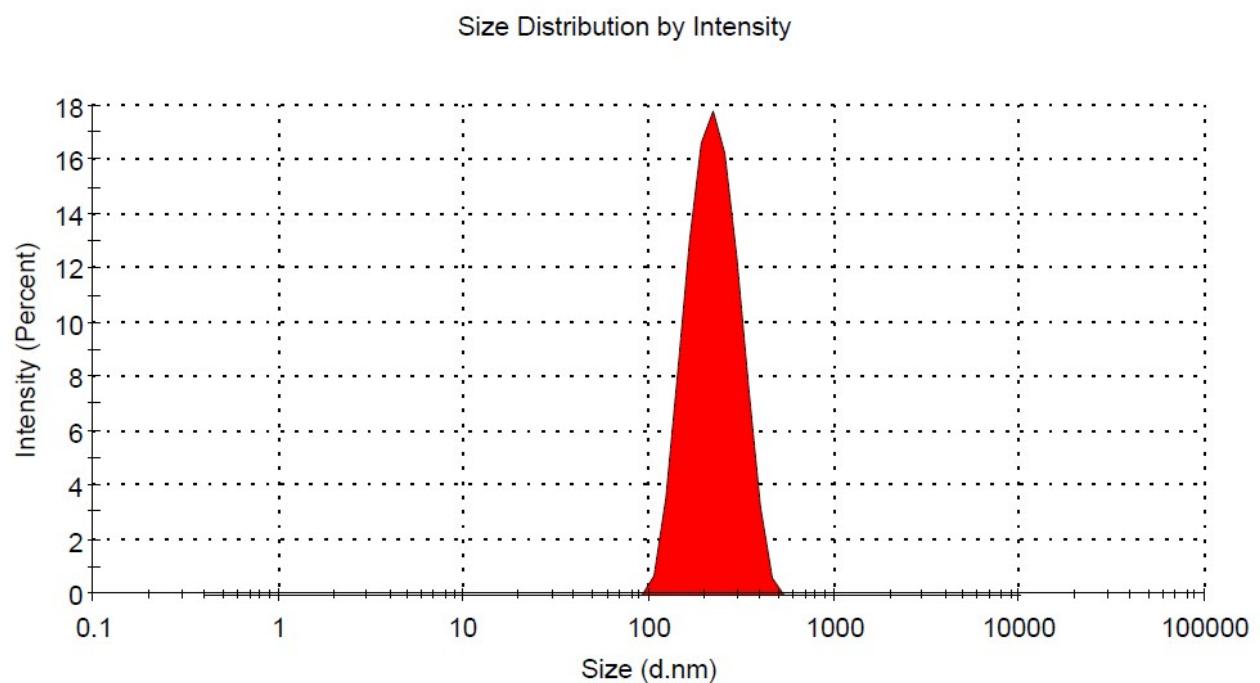


Figure SI 13. Dynamic Light Scattering (DLS) analysis of the hydrodynamic diameter of **2-Me**-aggregates in water.

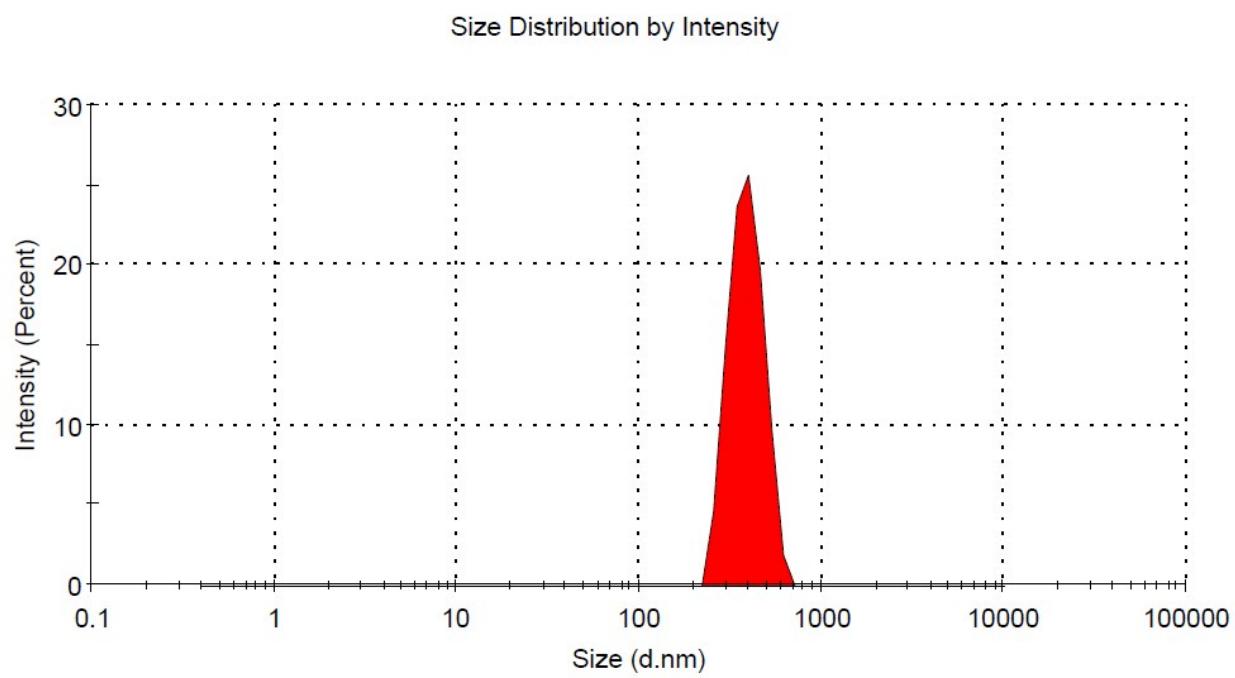


Figure SI 14. Dynamic Light Scattering (DLS) analysis of the hydrodynamic diameter of **3-Me**-aggregates in water.

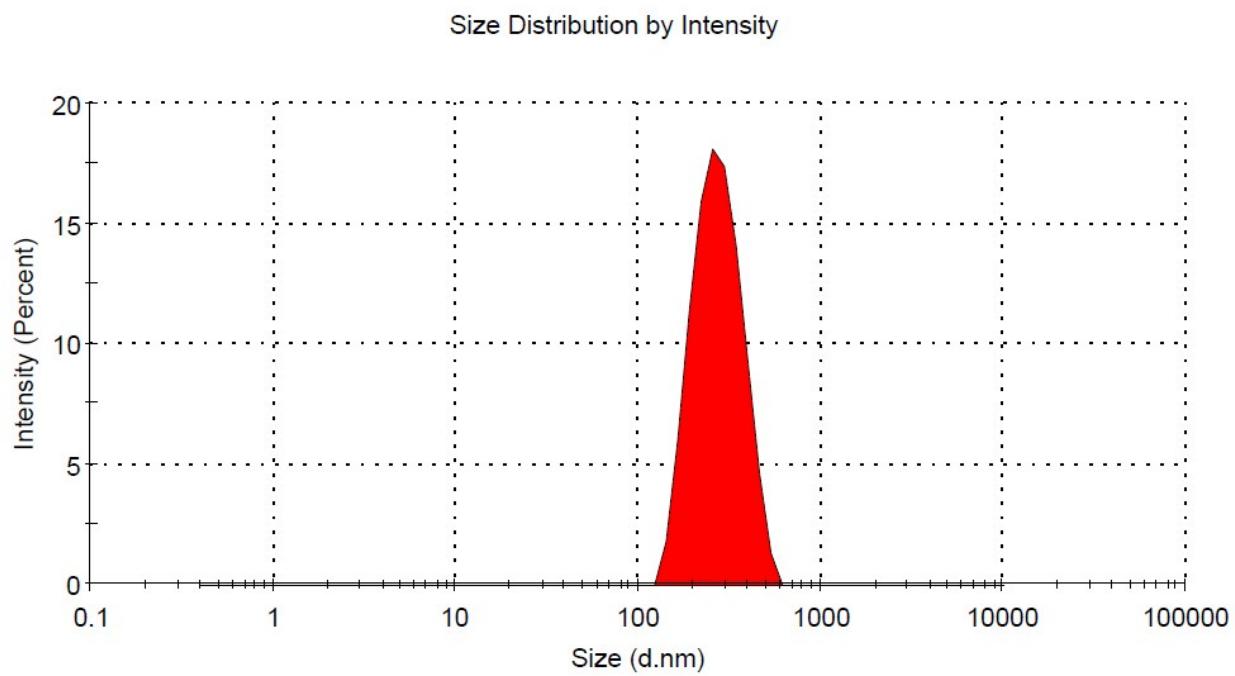


Figure SI 15. Dynamic Light Scattering (DLS) analysis of the hydrodynamic diameter of **4-Me**-aggregates in water.