

Supplementary Materials: Mechanism of the Zn(II)Phthalocyanines' Photochemical Reactions Depending on the Number of Substituents and Geometry

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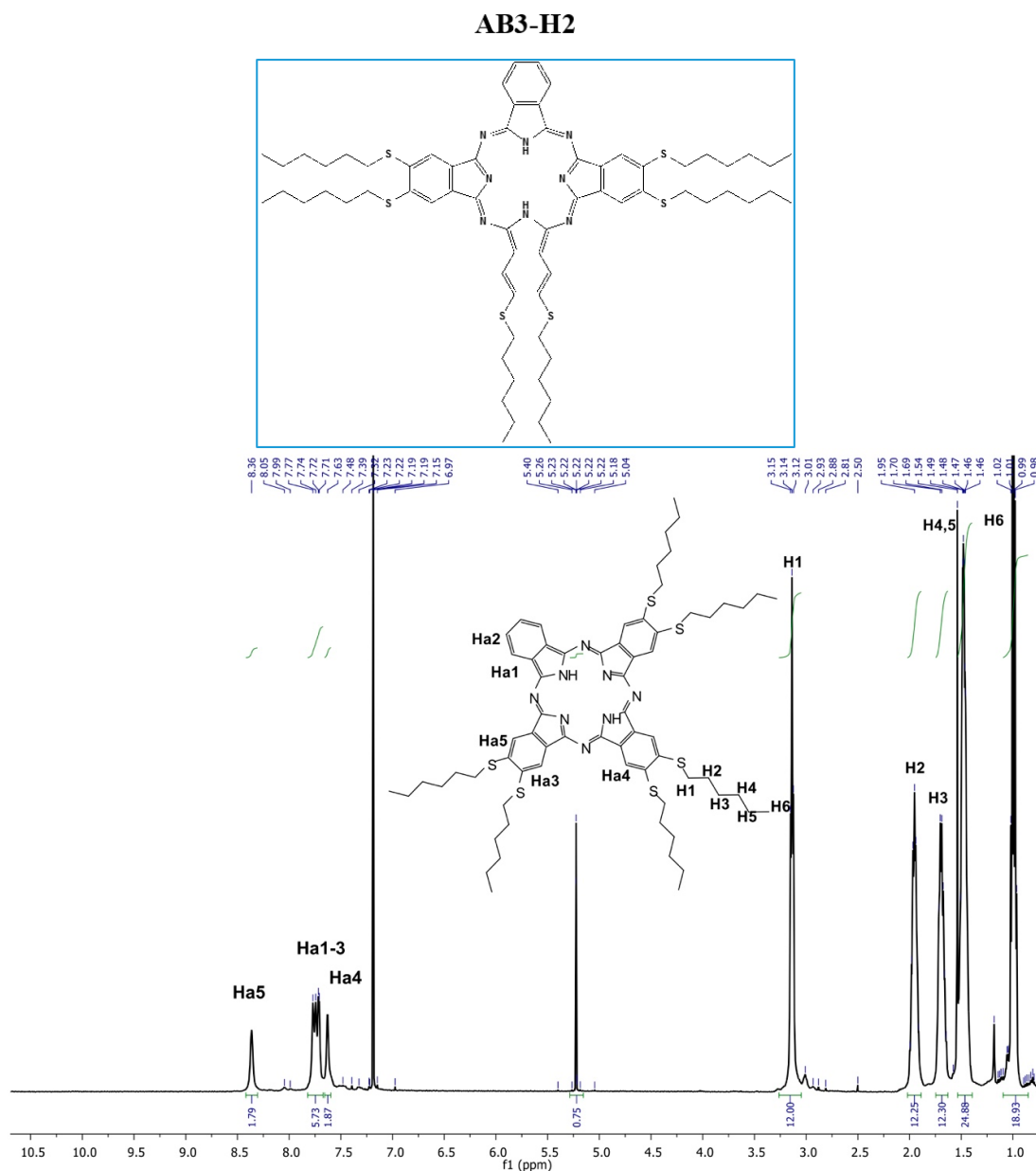


Figure S1. ^1H -NMR of AB3-H2 in CDCl_3 .

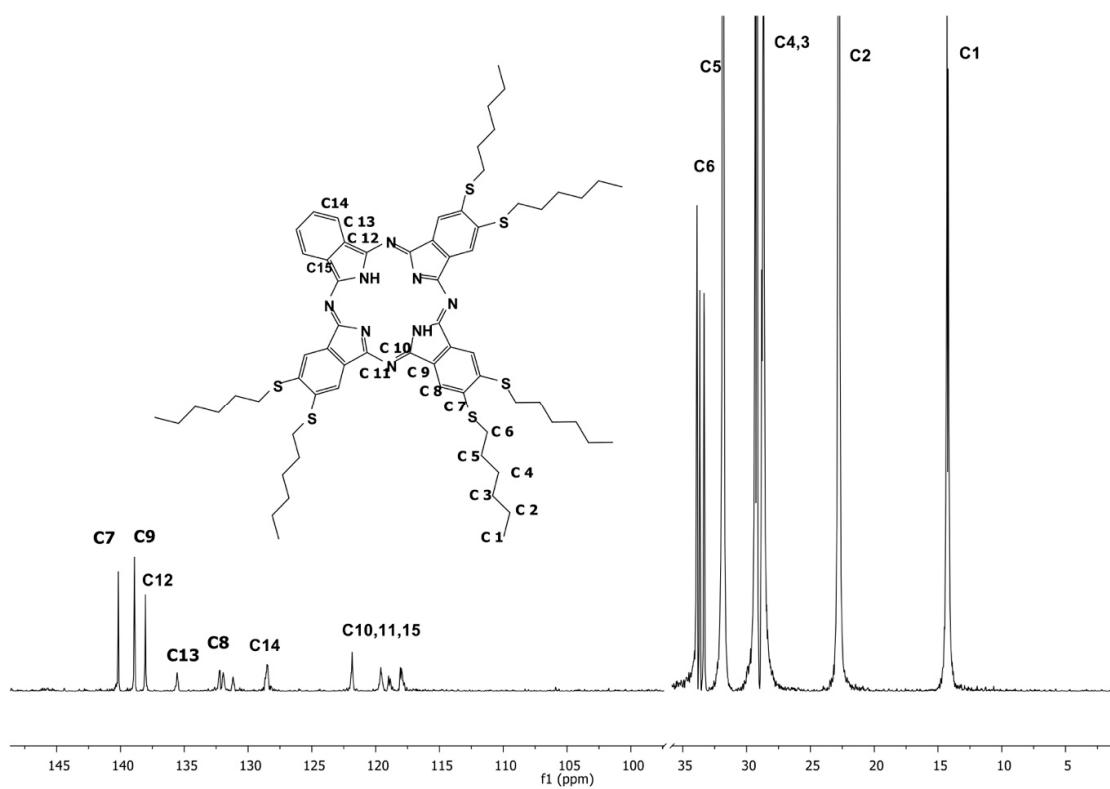


Figure S2. ¹³C-NMR of AB3-H2 in CDCl₃.

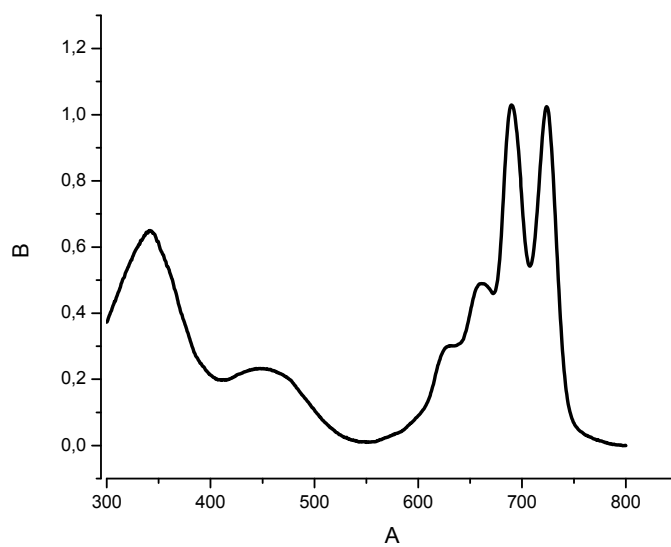


Figure S3. UV-VIS spectrum of AB3-H2 in CHCl₃.

AB3Free_DHB

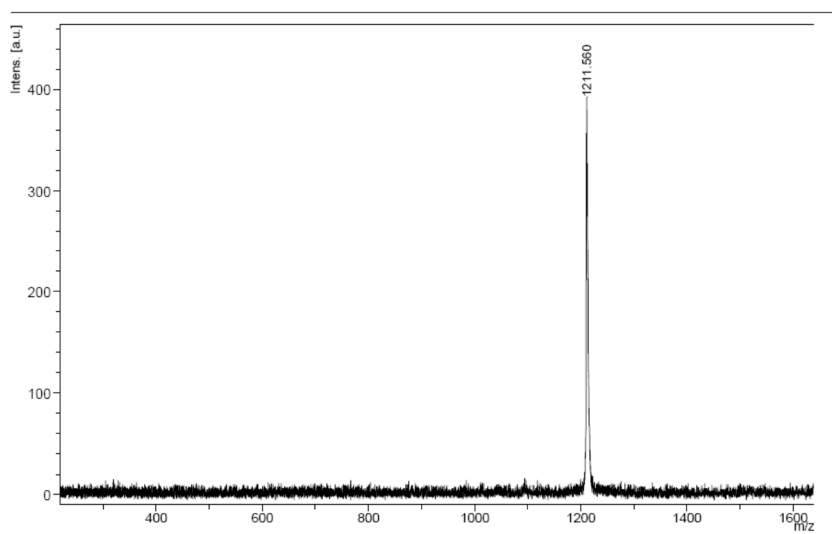


Figure S4. MALDI-MS with 2,5-dihydroxybenzoic acid as the matrix.

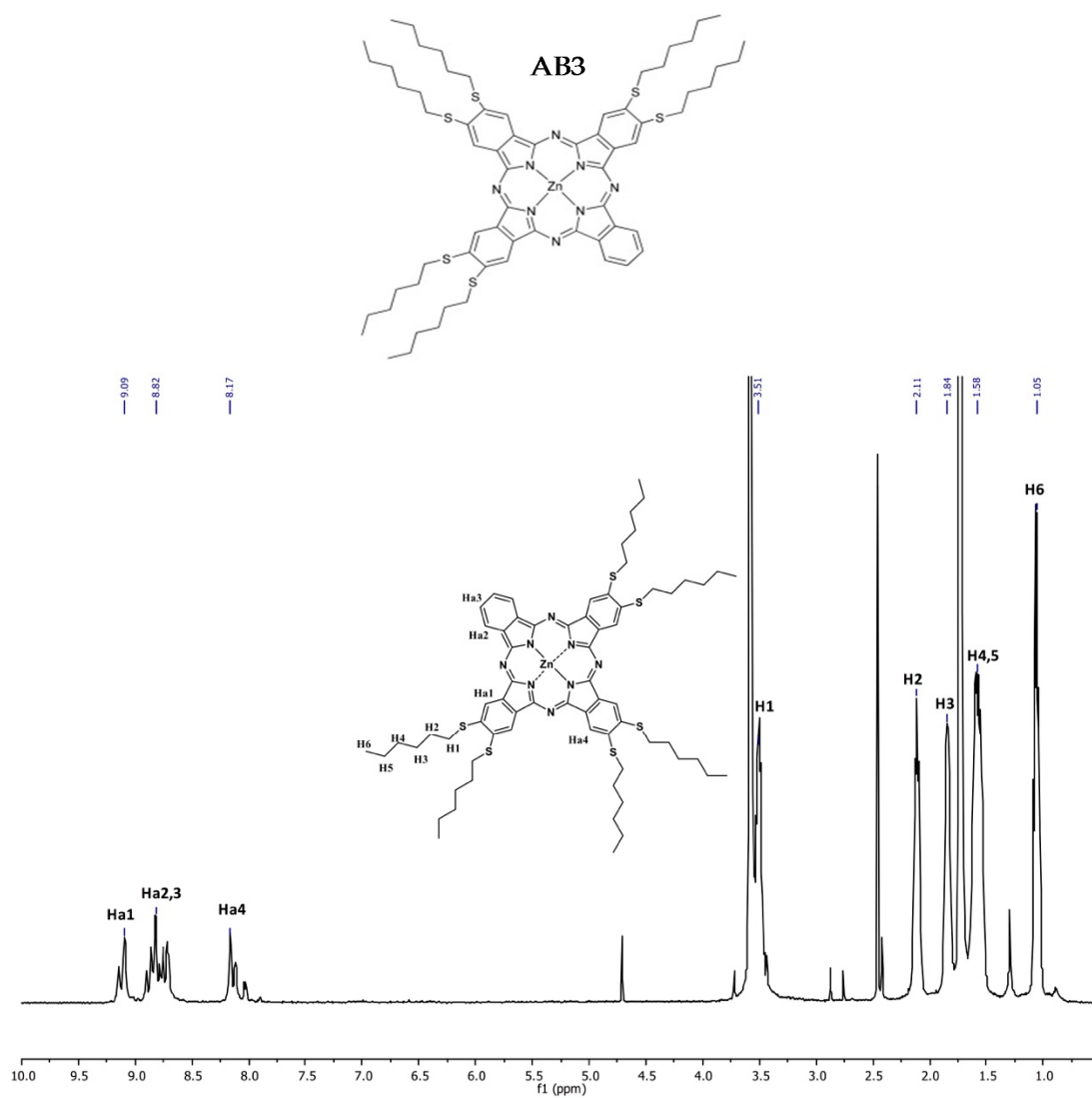


Figure S5. ¹H-NMR of AB3 in *d*₈-THF.

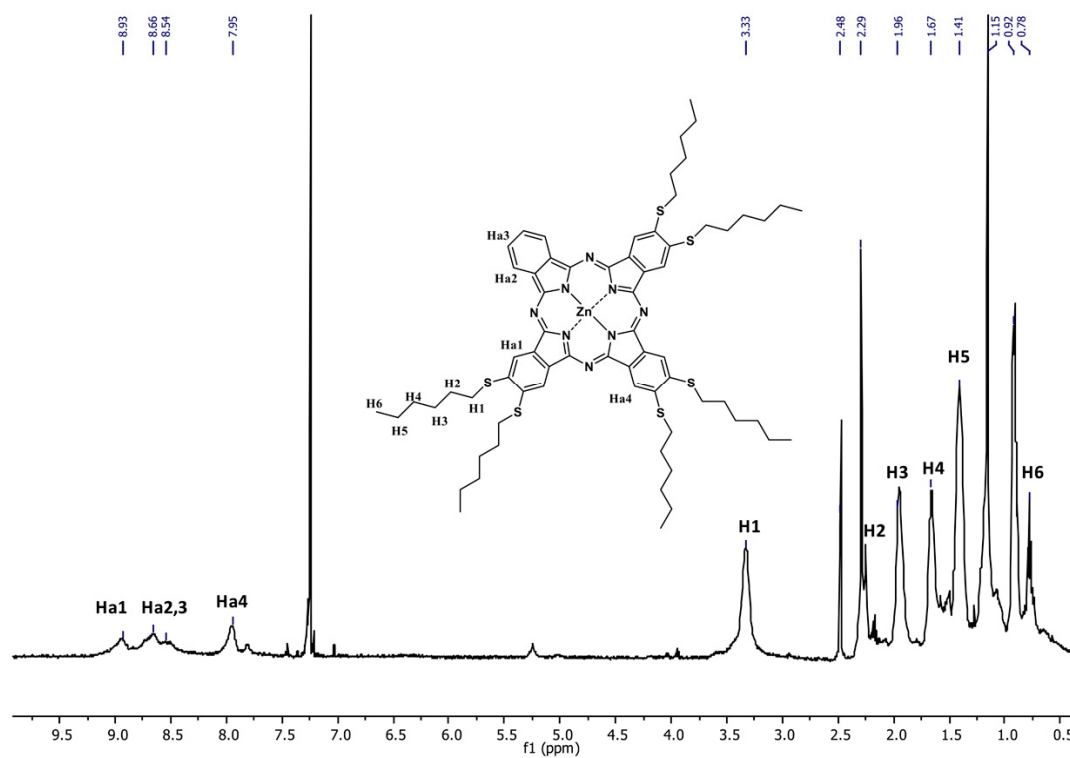


Figure S6. ^1H -NMR of AB3 in CDCl_3 and DMSO.

AB3SRZnPC_DHB

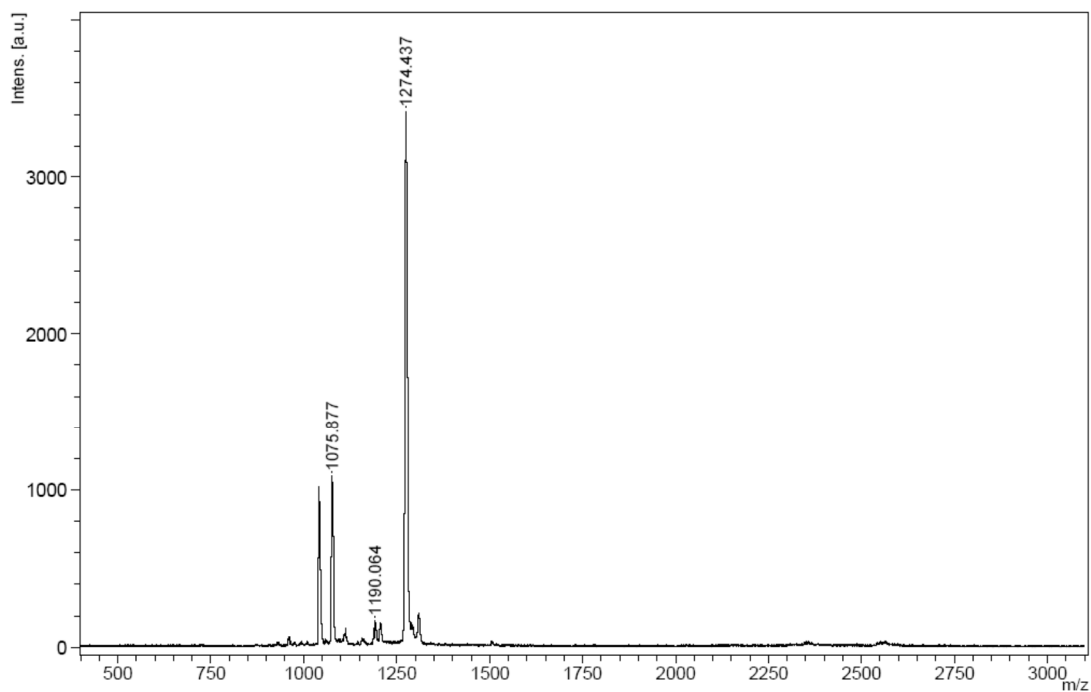
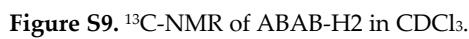
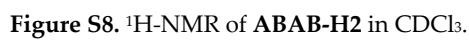


Figure S7. MALDI-MS with 2,5-dihydroxybenzoic acid as the matrix.

The chemical structure shows a central macrocyclic core composed of four indole-like units linked by nitrogen atoms. Each of the four benzene rings in the macrocycle is substituted with two long, straight alkyl chains (represented by zigzag lines) at the 2 and 6 positions, for a total of eight long alkyl chains extending from the central core.



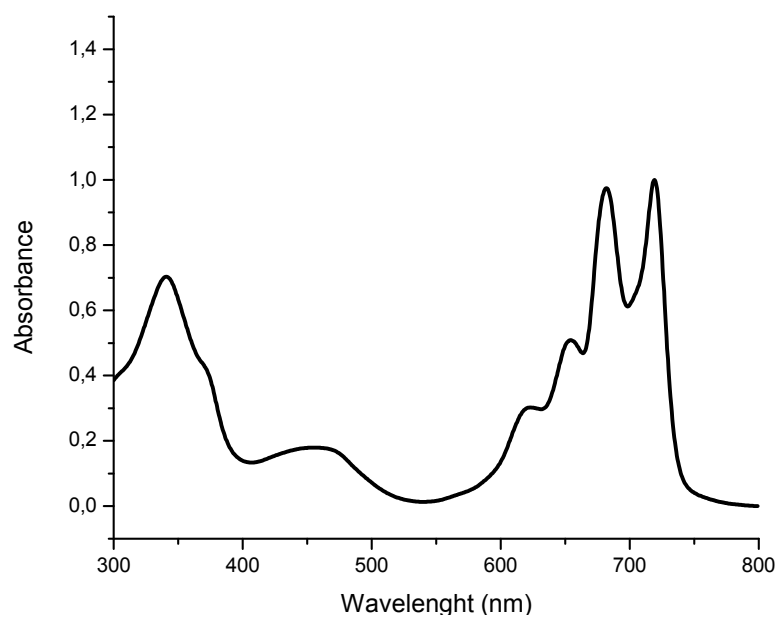


Figure S10. UV-VIS spectrum of ABAB-H2 in CHCl₃.

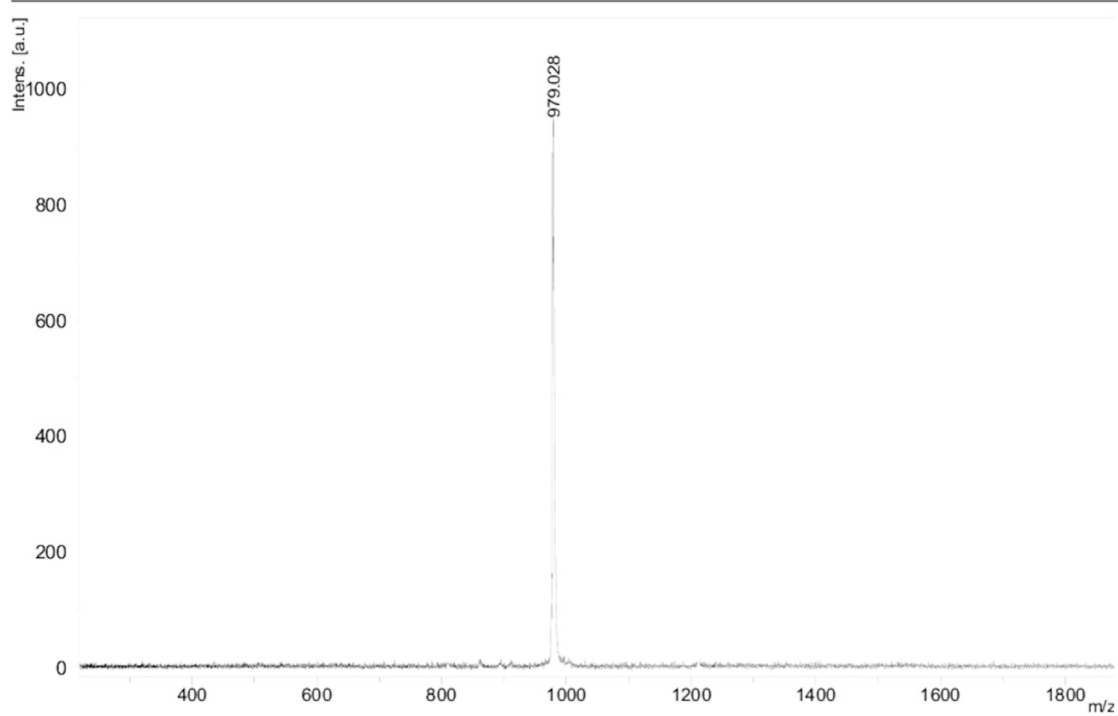


Figure S11. MALDI-MS with 2,5-dihydroxybenzoic acid as the matrix.

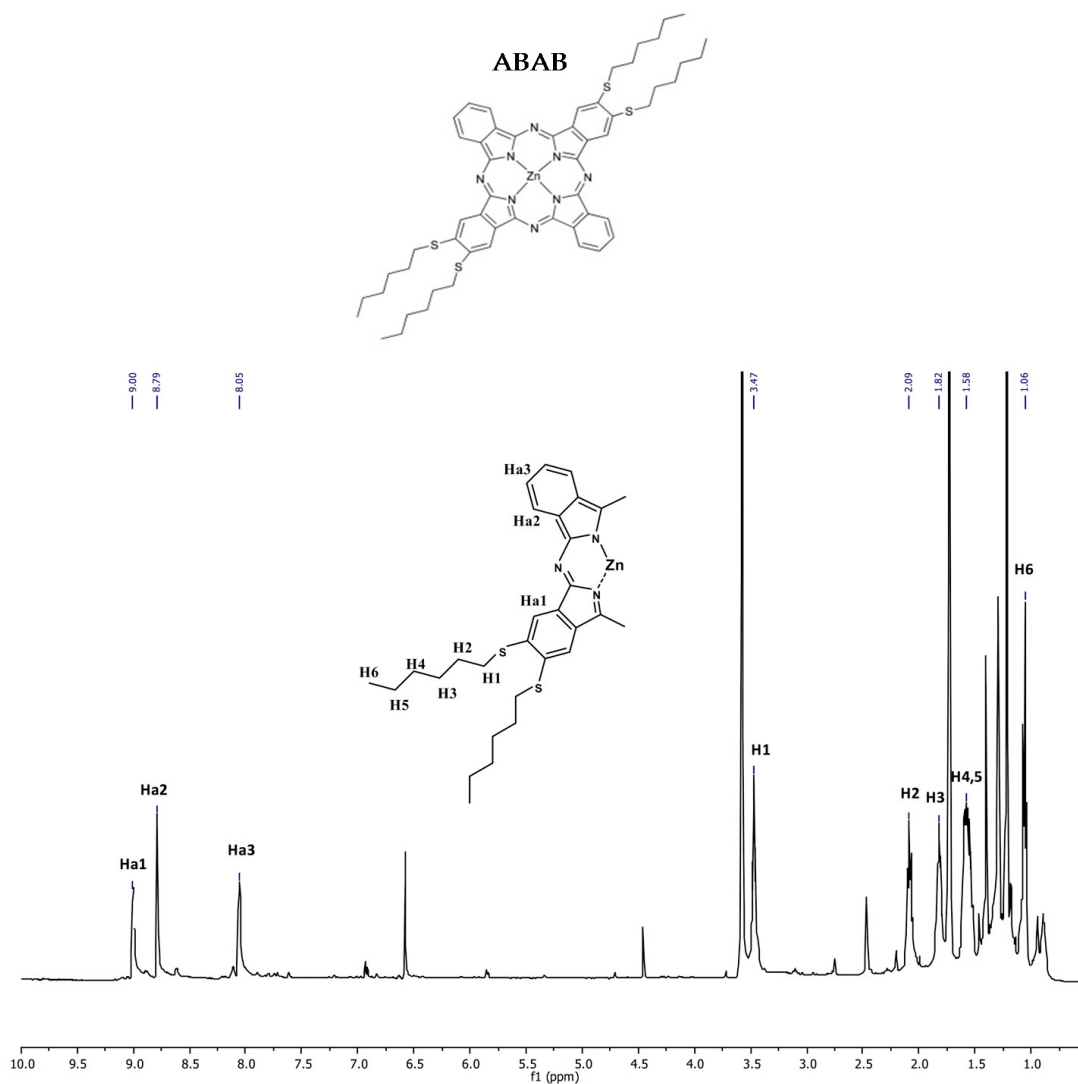


Figure S12. ^1H -NMR of ABAB in d_8 -THF.

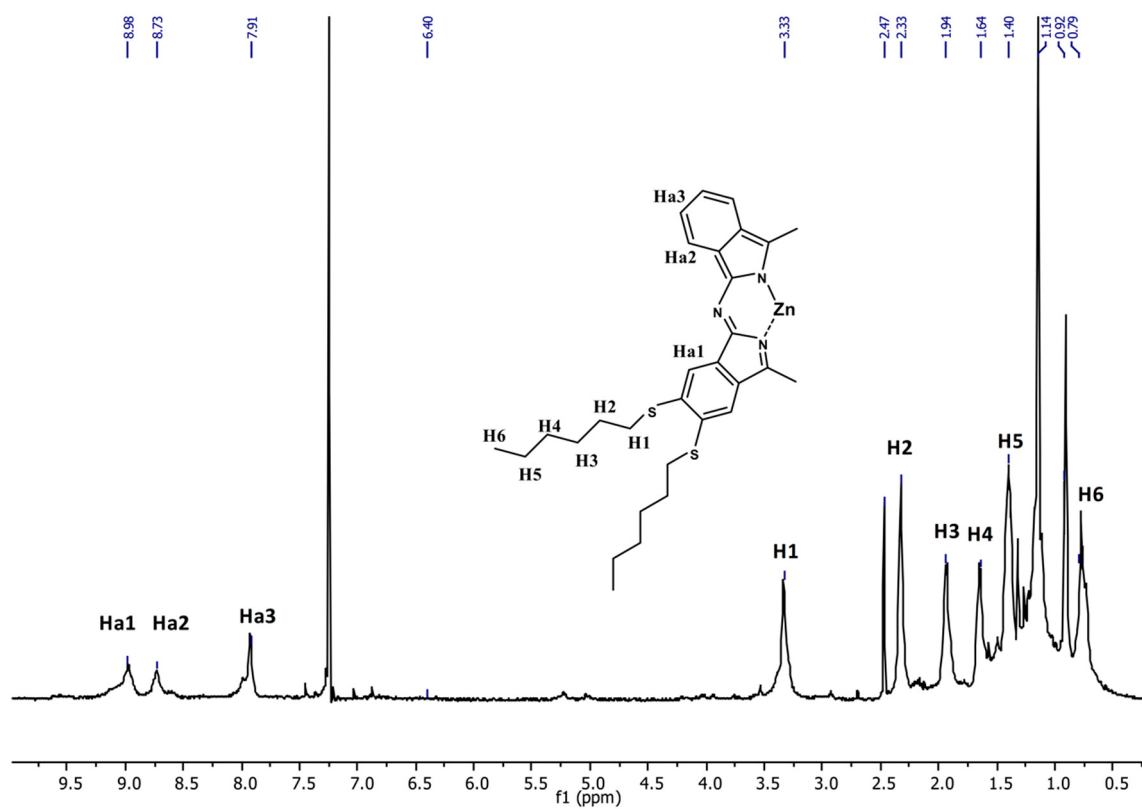


Figure S13. ¹H-NMR of AB3 in CDCl₃ and DMSO.

ZnABAB_DHB

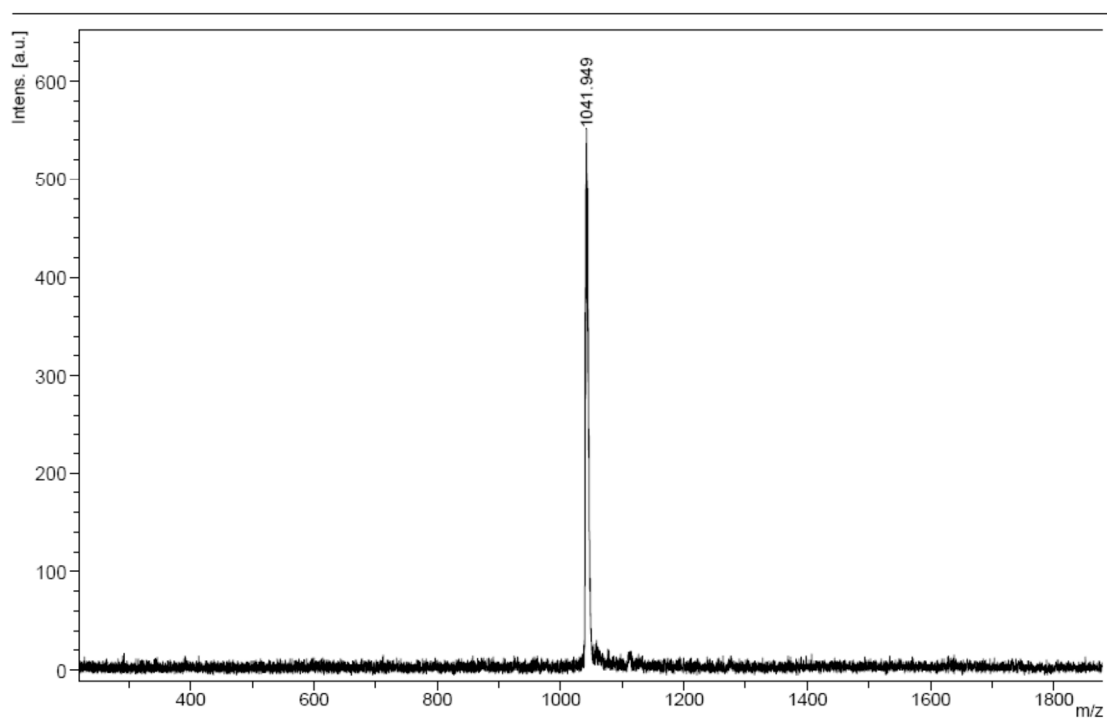


Figure S14. MALDI-MS with 2,5-dihydroxybenzoic acid as the matrix.