

Supplementary Material

Novel derivatives of nitrobenzofurazan with chromogenic and fluorogenic properties

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Figure S1. Fluorescence (A) and IR (B) spectrum of compound **1**

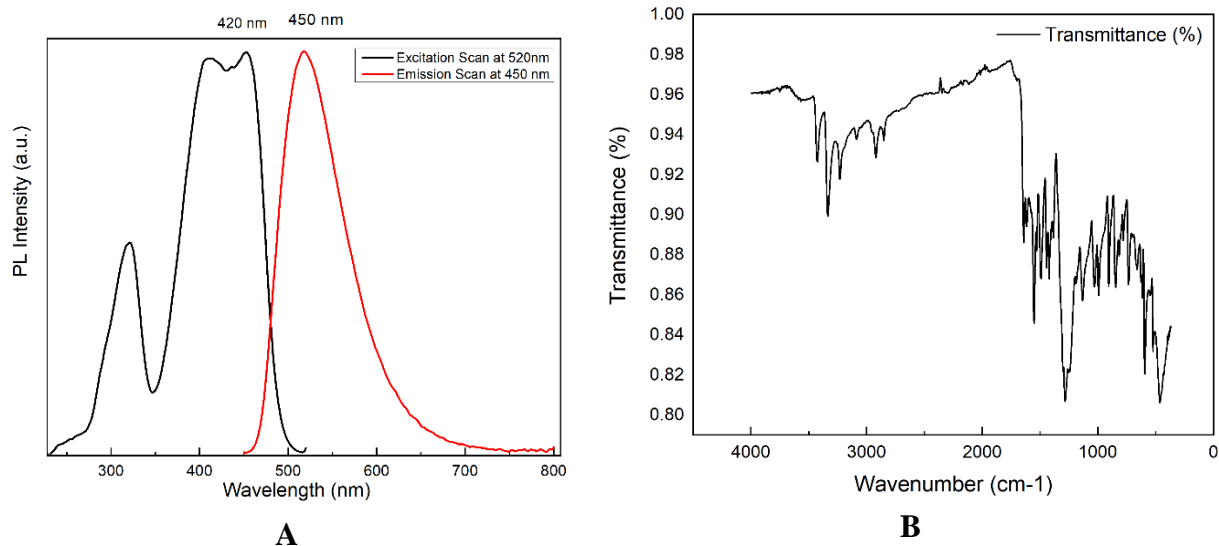


Figure S2. ESR (A) and MS (B) spectrum of compound **2**

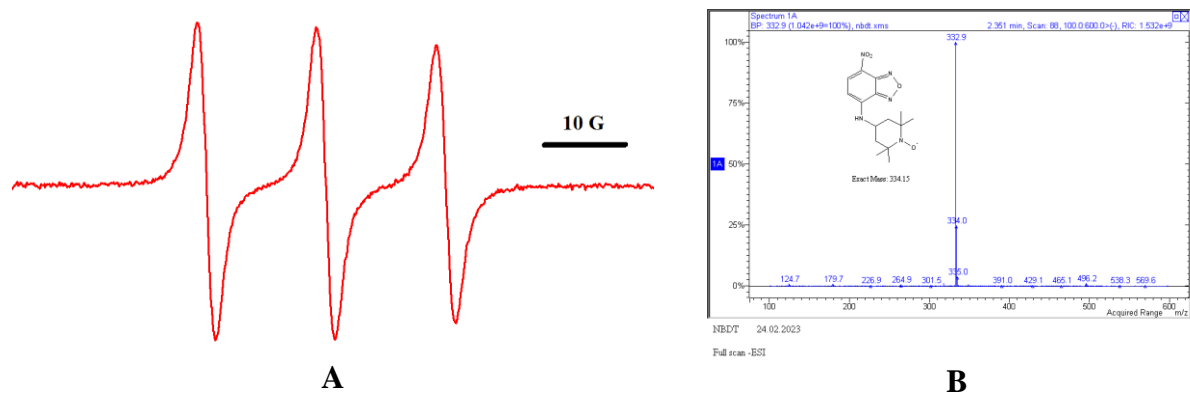


Figure S3. ^{13}C -NMR spectrum of compound **3**

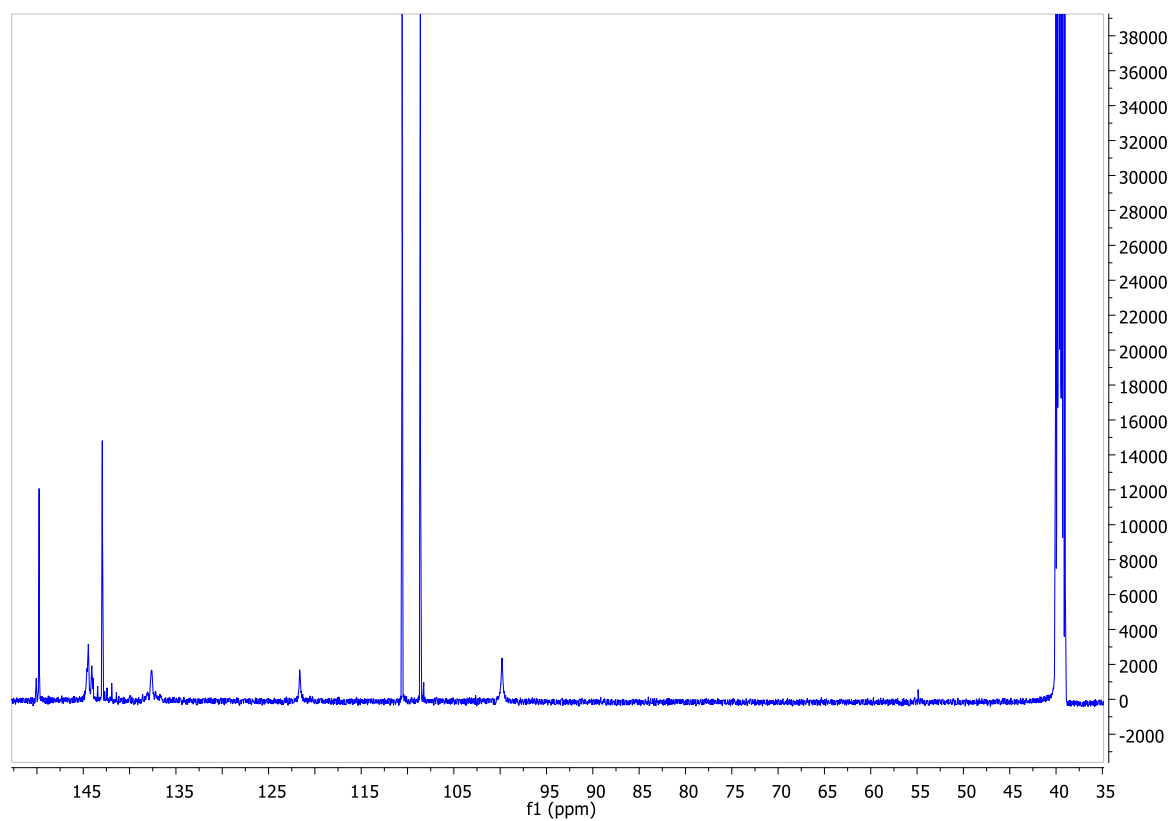
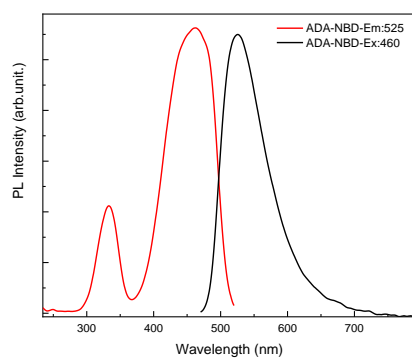
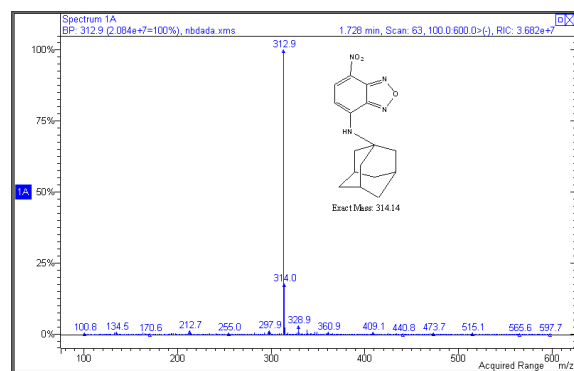


Figure S4. Fluorescence (A) and MS (B) spectrum of compound **4**



A



B

Figure S5. Fluorescence (A) and MS (B) spectrum of compound **5**

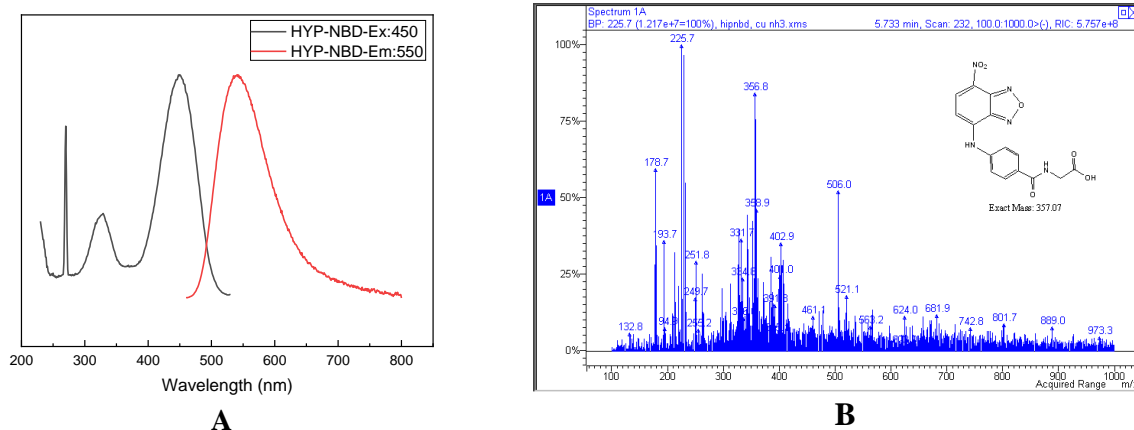


Figure S6. Fluorescence (A) and MS (B) spectrum of compound **6**

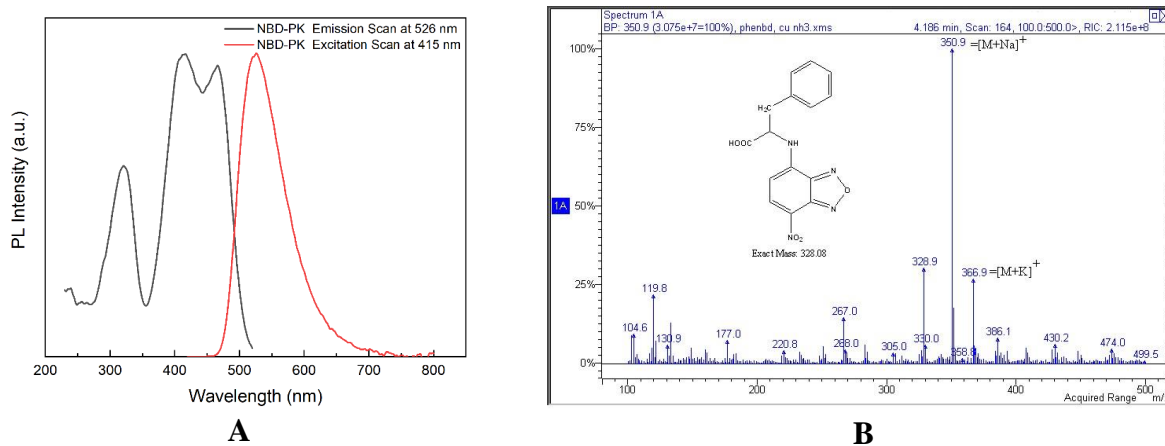


Figure S7. Fluorescence (A) and MS (B) spectrum of compound **7**

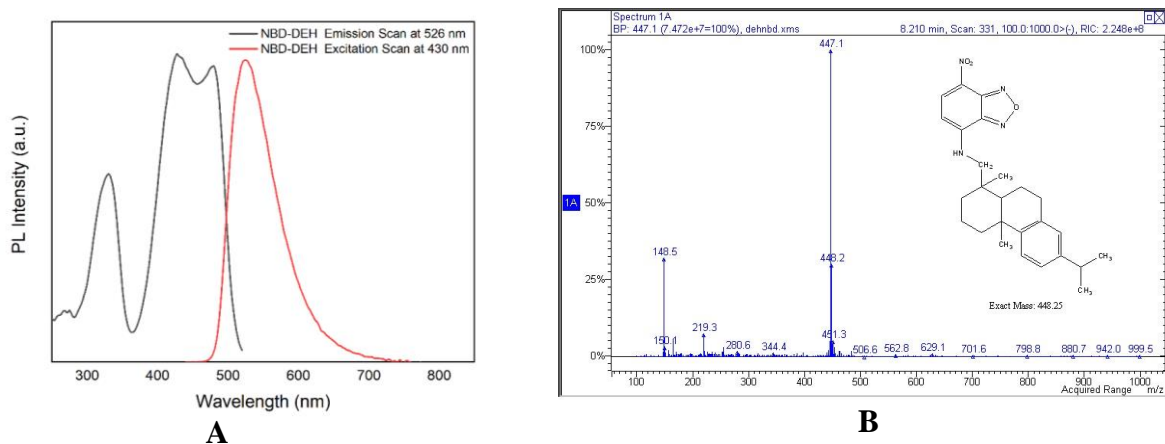


Table S1. R_f values obtained by RP-TLC

C/Cmp.	1	2	3	4	5	6	7
0.5	0.62	0.12	0.25	0.06	-	0.17	0.02
0.6	0.63	0.33	0.58	0.08	-	0.21	0.04
0.7	0.73	0.46	0.72	0.19	-	0.42	0.08
0.8	0.79	0.65	0.76	0.47	-	0.59	0.26

Figure S8. Colour of an acetone solution of compounds **1-7** (up) and their fluorescence at 365 nm (bottom).

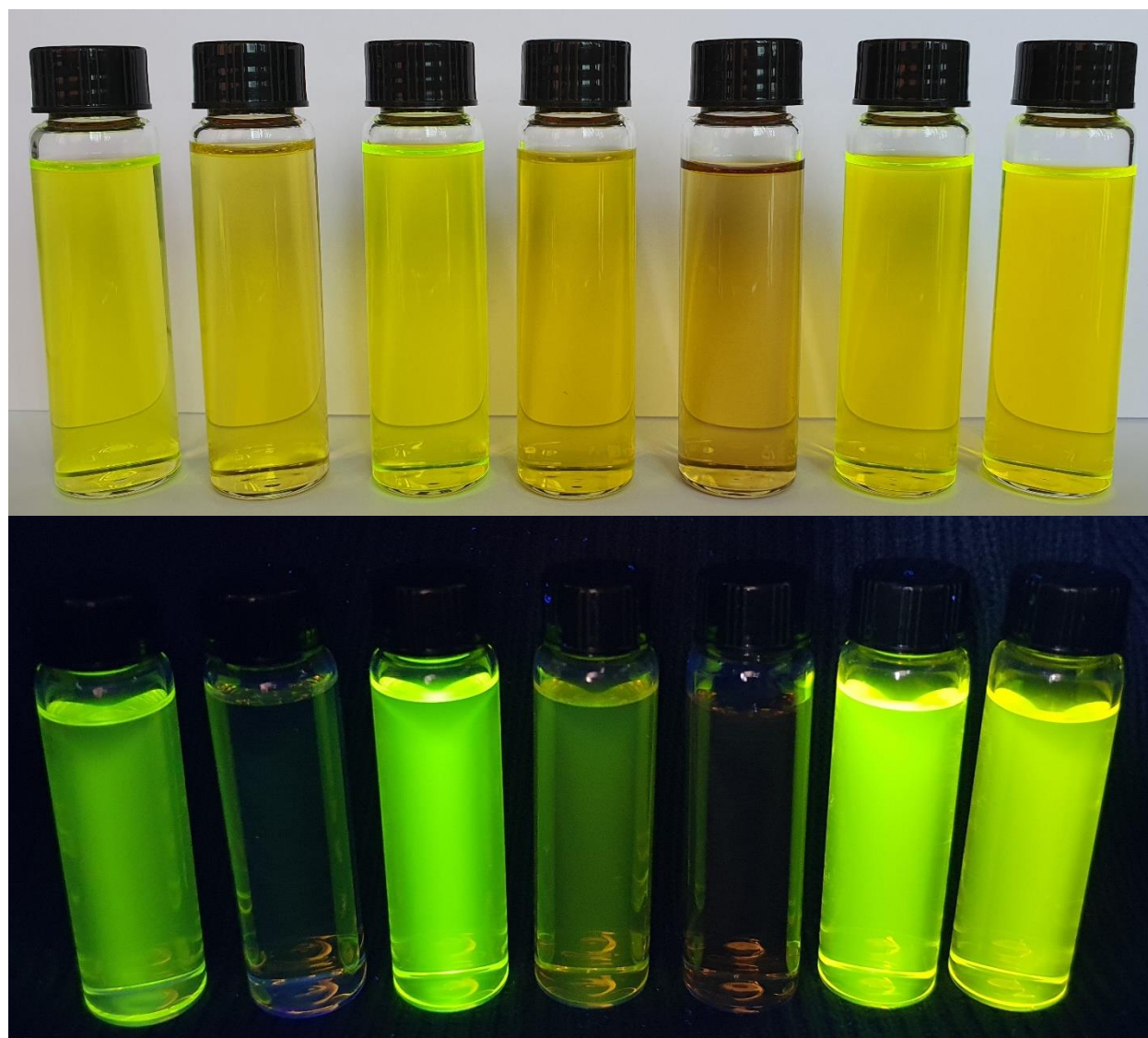


Figure S9. Semi-empirical PM3 geometry optimization of compounds **1-7**.

