

Supplementary Material

Photochemical [2+2] cycloaddition reaction of enone derivatives with 2-siloxy-1*H*-pyrrole derivatives

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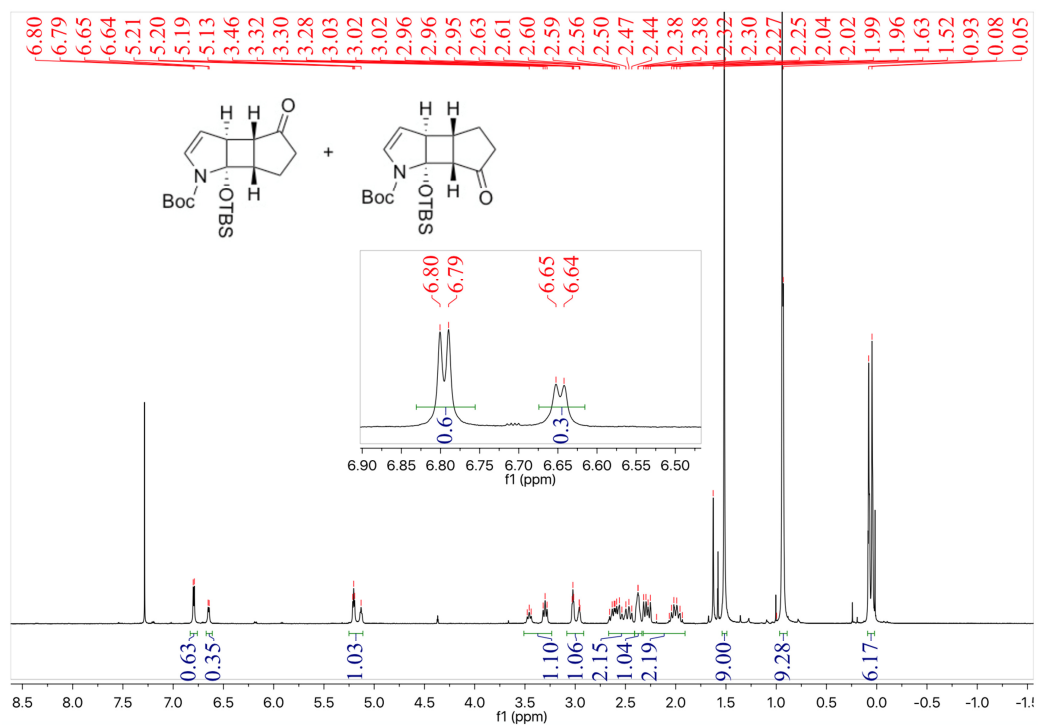
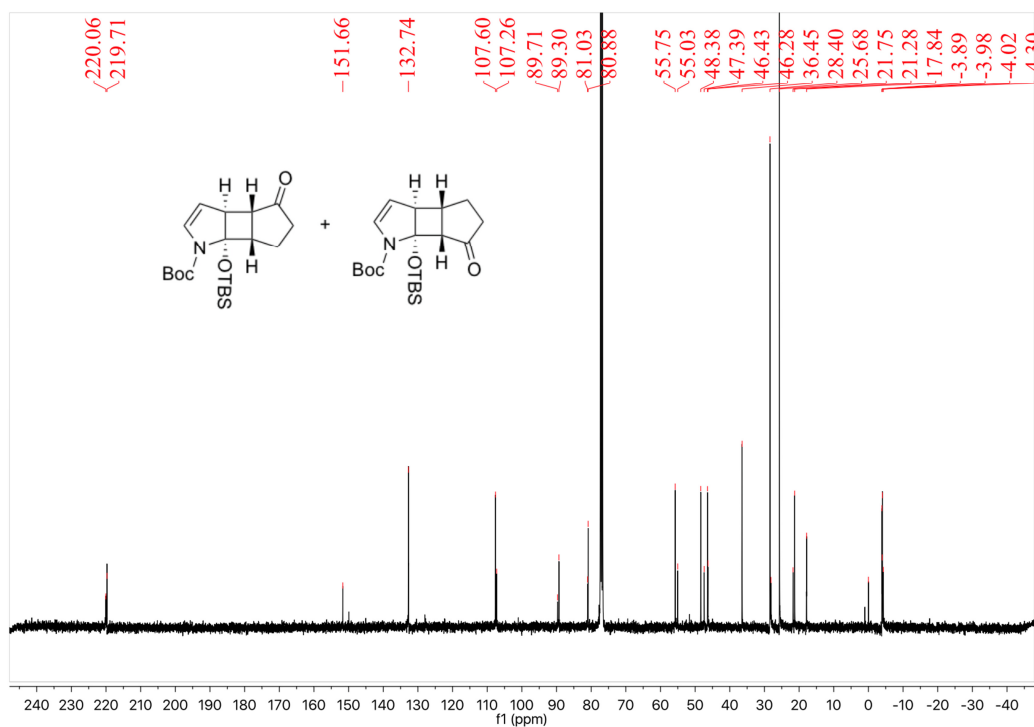
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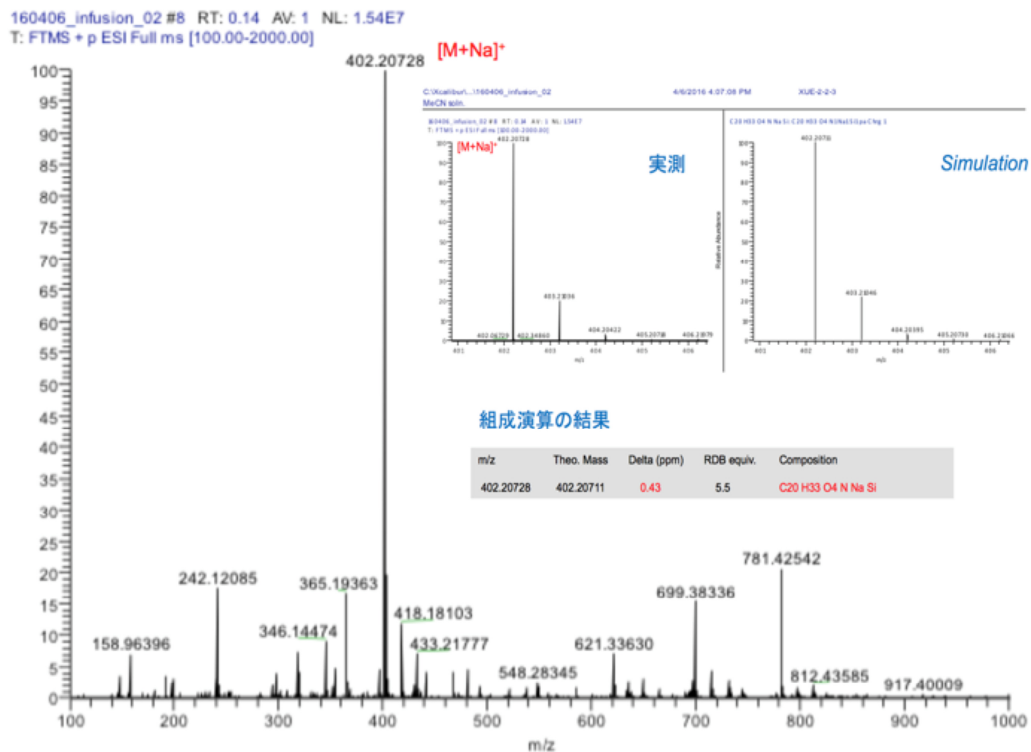
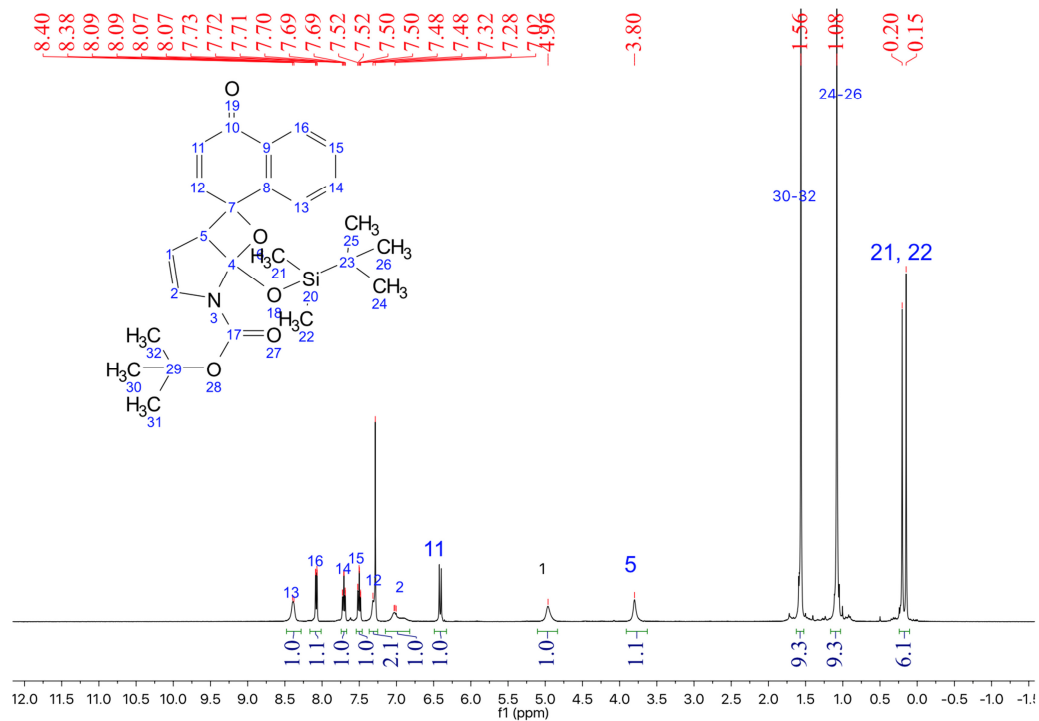
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1. ^1H , ^{13}C and HRMS spectra of **6**, **7** and **8**.Figure S1. ^1H NMR spectrum of a mixture **6** and **7**. (400 MHz, CDCl_3)Figure S2. ^{13}C NMR spectrum of a mixture of **6** and **7**. (101 MHz, CDCl_3)

Figure S3. HRMS spectrum of a mixture of **6** and **7**.Figure S4. ¹H NMR spectrum of **8**. (400 MHz, CDCl₃)

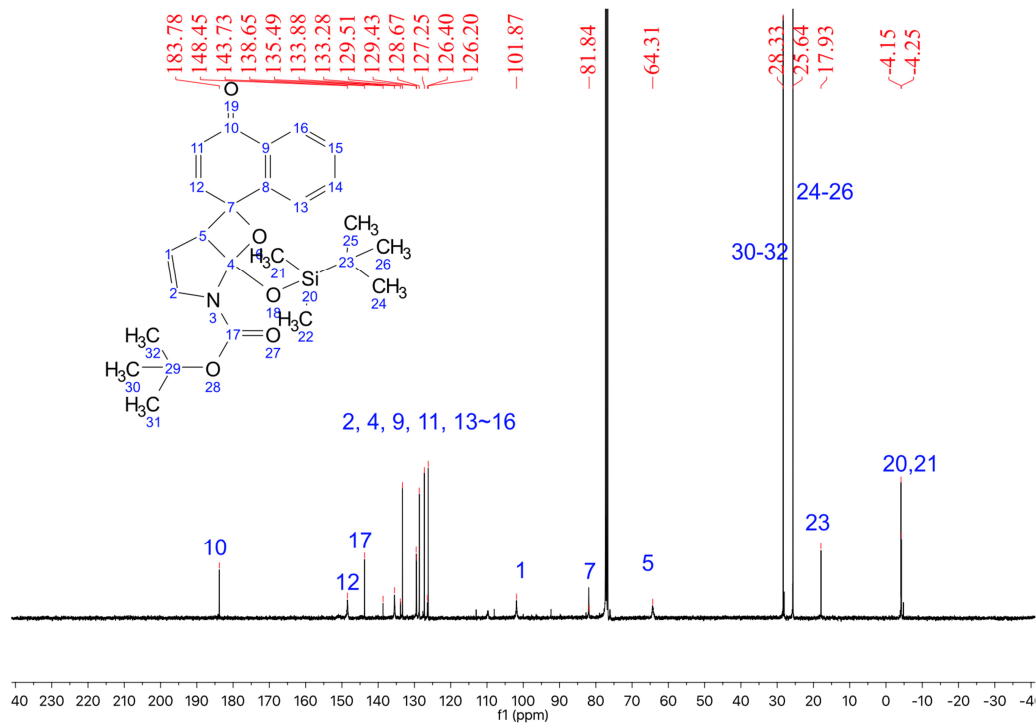
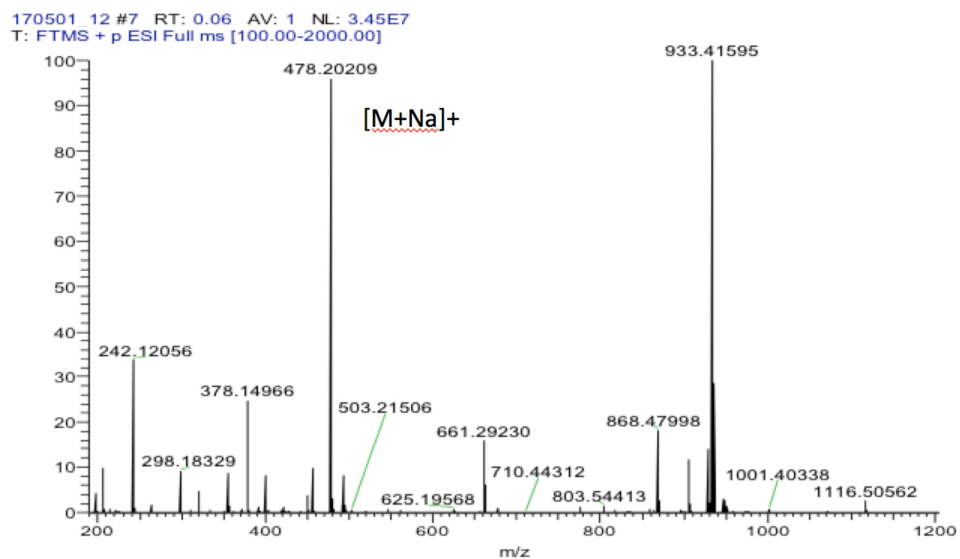


Figure S5. ^{13}C NMR spectrum of **8**. (101 MHz, CDCl_3)



m/z	Theo. Mass	Delta (ppm)	RDB equiv.	Composition
478.20209	478.20202	0.14	10.5	$\text{C}_{25}\text{H}_{33}\text{O}_5\text{N Na Si}$

Figure S6. HRMS spectrum of **8**.

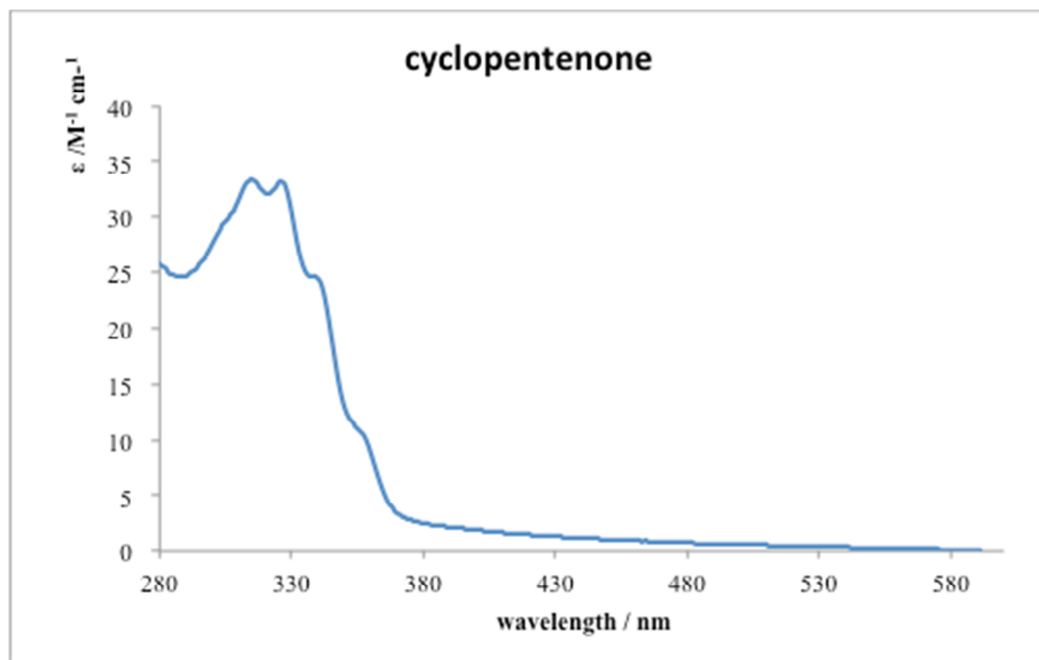
2. UV spectra of **4** and **5**.

Figure S7. UV-Vis spectrum of **4**. (0.00678 M at benzene)

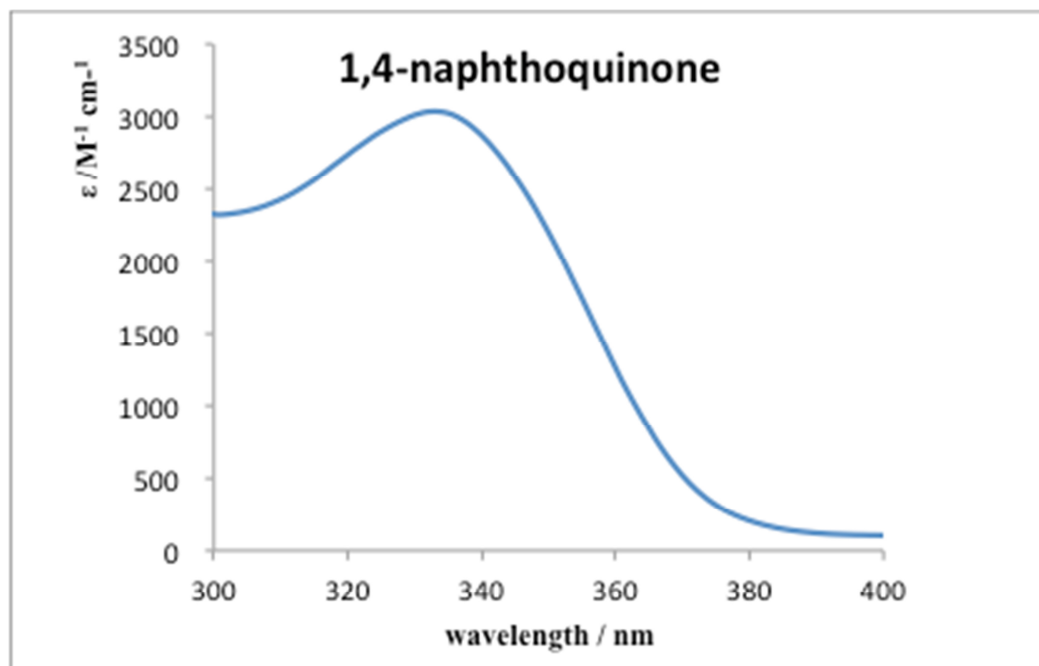


Figure S8. UV-Vis spectrum of **5**. (0.000285 M at benzene)