

## Supporting Information

### **A Ratiometric Two-photon Fluorescent Probe for Detecting and Imaging Hypochlorite**

Yen Leng Pak<sup>†a</sup>, Sang Jun Park<sup>†b</sup>, Qingling Xu<sup>c</sup>, Hwan Myung Kim<sup>\*b</sup>, Juyoung Yoon<sup>\*a</sup>.

<sup>a</sup>Department of Chemistry and Nano Science, Ewha Womans University, Seoul 120-750, Korea

<sup>b</sup>Department of Chemistry and Energy System Research, Ajou University.

<sup>c</sup>School of Chemical Sciences, University of Chinese Academy of Sciences, Beijing 100049, P. R. China

\* E-mail: [kimhm@ajou.ac.kr](mailto:kimhm@ajou.ac.kr). Phone: +82 (031) 219-2609

\* E-mail: [jyoon@ewha.ac.kr](mailto:jyoon@ewha.ac.kr). Phone: +82 (02) 3277-2400

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**Figure S2.** Ratiometric calibration curve of the **B6S** probe in the presence of  $\text{OCl}^-$ , plotting with the fluorescence intensity ratio ( $F_{482}/F_{378}$ ) against the  $\text{OCl}^-$  concentration ( $\lambda_{\text{ex}} = 355$  nm; RT, 5:95 DMF-Aq. PBS, 10 mM, pH 7.4).

**Figure S3.** Time-dependence spectra in the fluorescent intensity at 495 nm of **B6S** probe (10  $\mu$ M) in the absence and presence of  $\text{OCl}^-$  (50 and 100  $\mu$ M) for 60 min. ( $\lambda_{\text{ex}} = 355$  nm; RT, 5:95 DMF-Aq. PBS, 10 mM, pH 7.4, slits:3/5 nm).

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**Figure S7.** HeLa cells were incubated with each concentration of **B6S** probe for 24 hr. Cell viability was assayed by MTT test. Results are expressed as mean  $\pm$  standard deviation of three independent experiments.

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430 nm (blue) and 480-600 nm (green). Scale bars = 25  $\mu$ m.

**Figure S10.**  $^1\text{H}$  NMR spectrum of **B6** compound.

**Figure S11.**  $^{13}\text{C}$  NMR spectrum of **B6** compound.

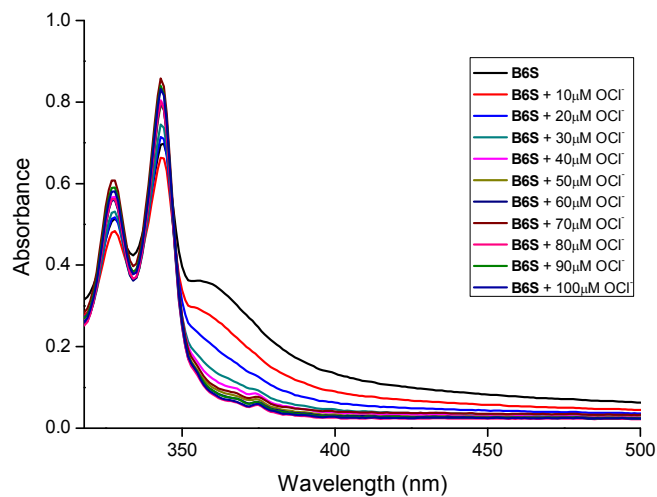
**Figure S12.** FAB spectrum of **B6** compound.

**Figure S13.**  $^1\text{H}$  NMR spectrum of **B6S** compound.

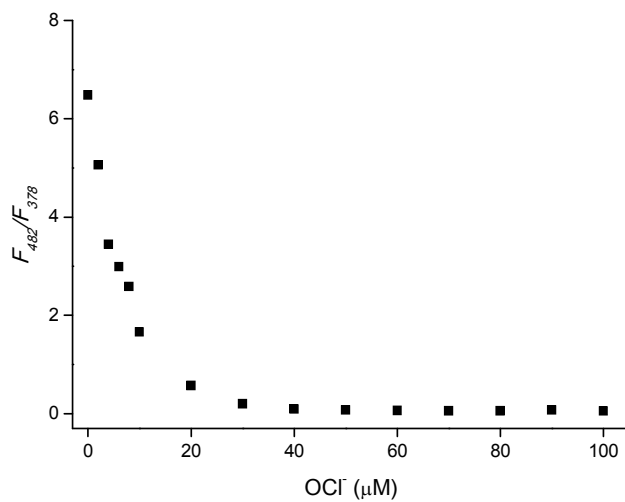
**Figure S14.**  $^{13}\text{C}$  NMR spectrum of **B6S** compound.

**Figure S15.** ESI-MS spectrum of **B6S** compound in DMSO.

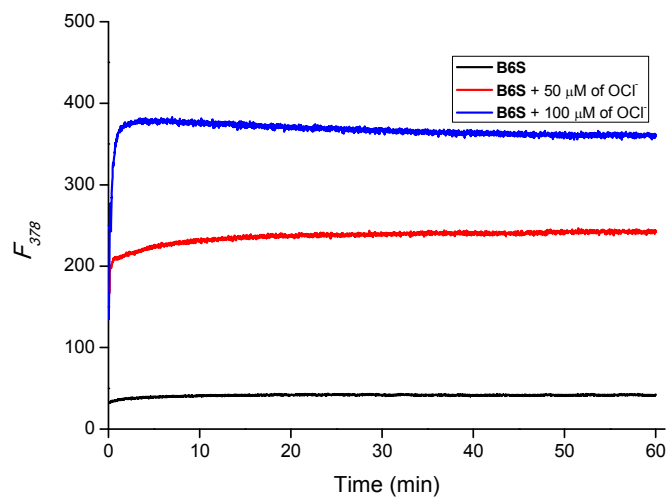
## Additional Figures



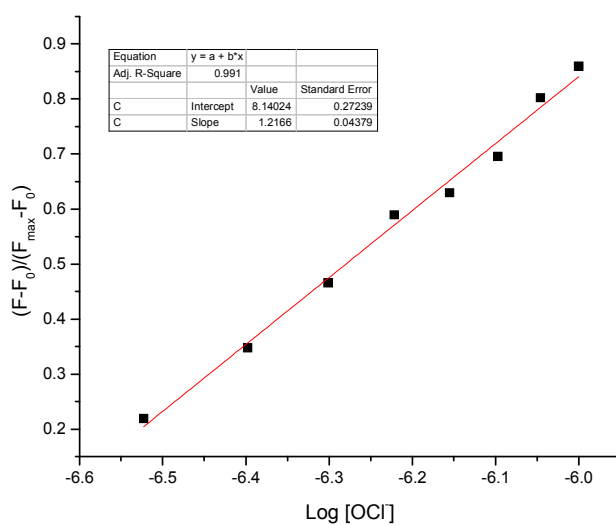
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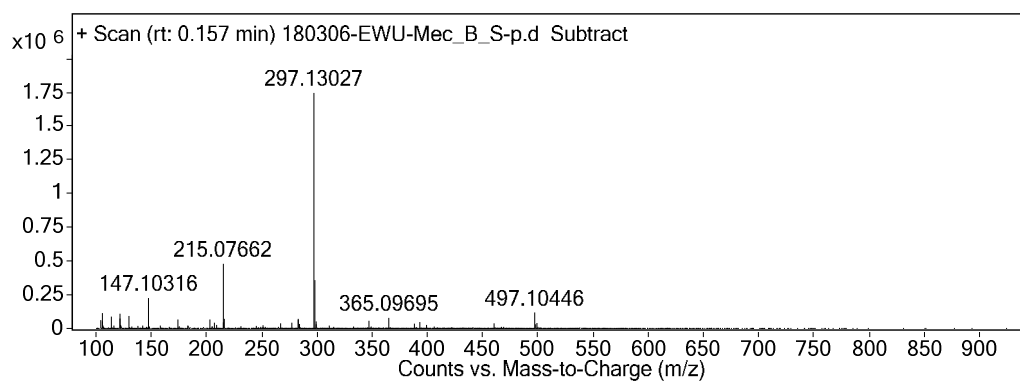
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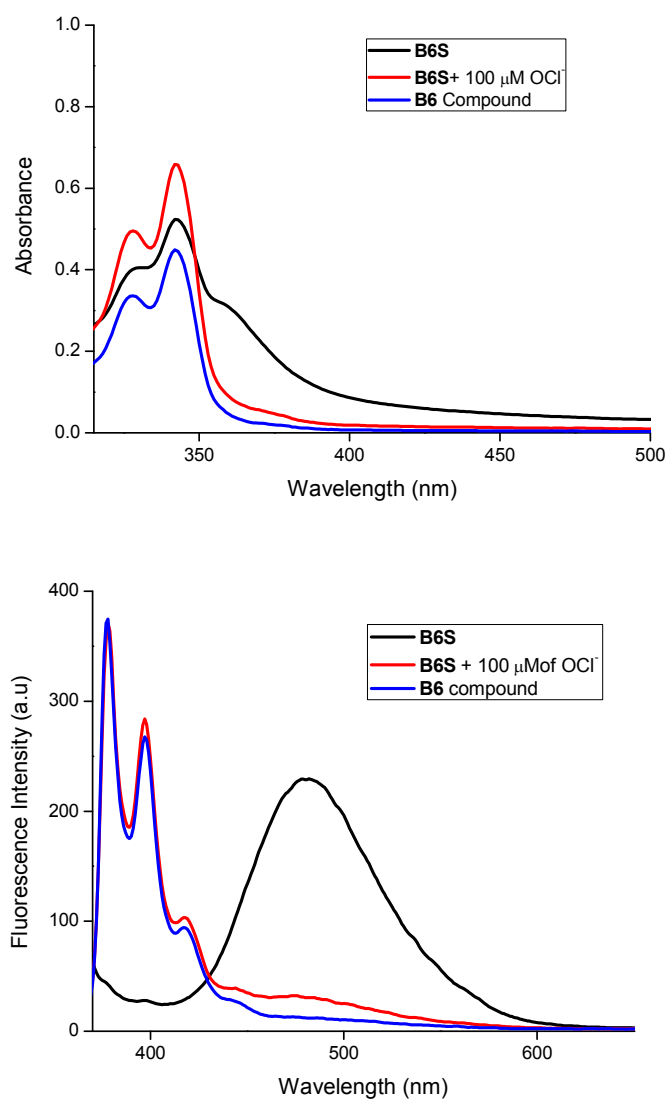
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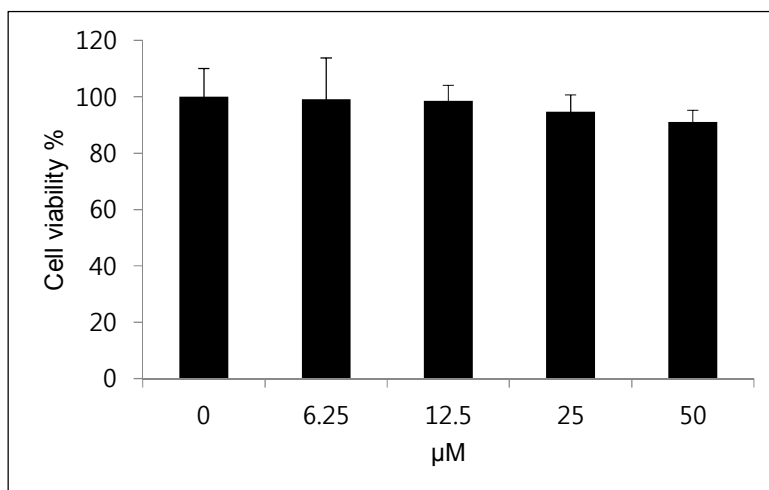
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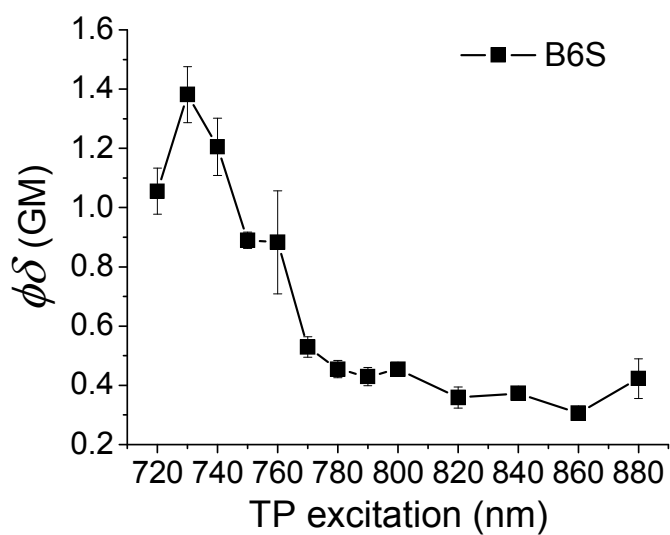
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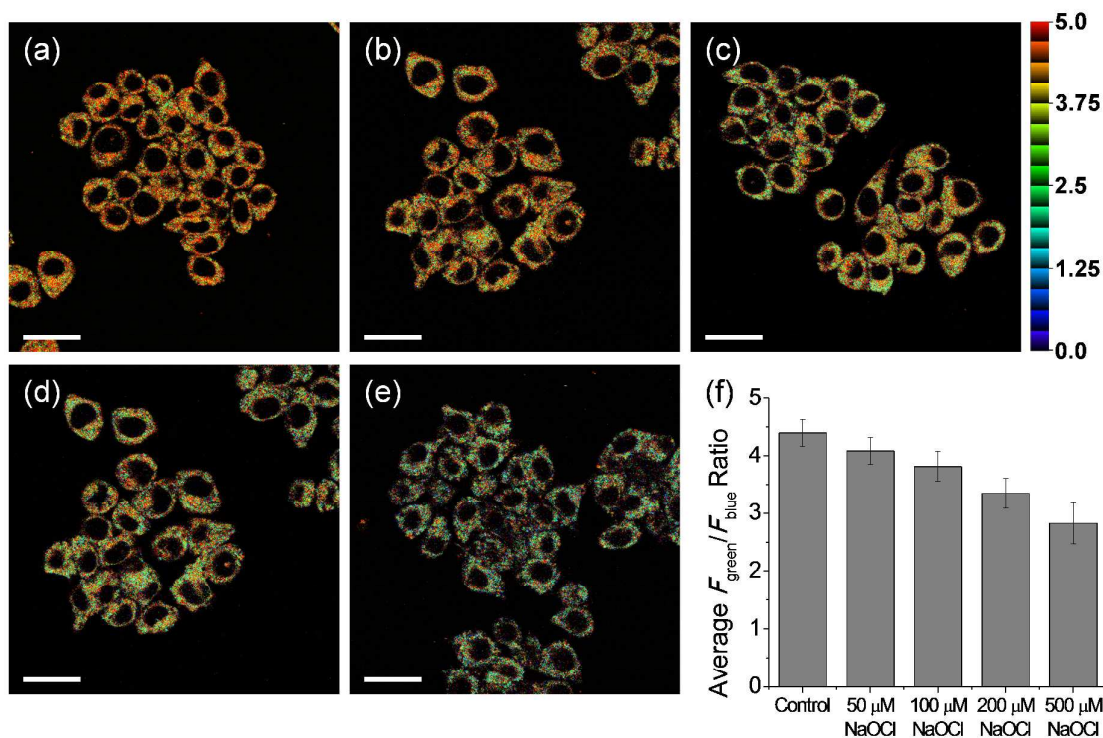
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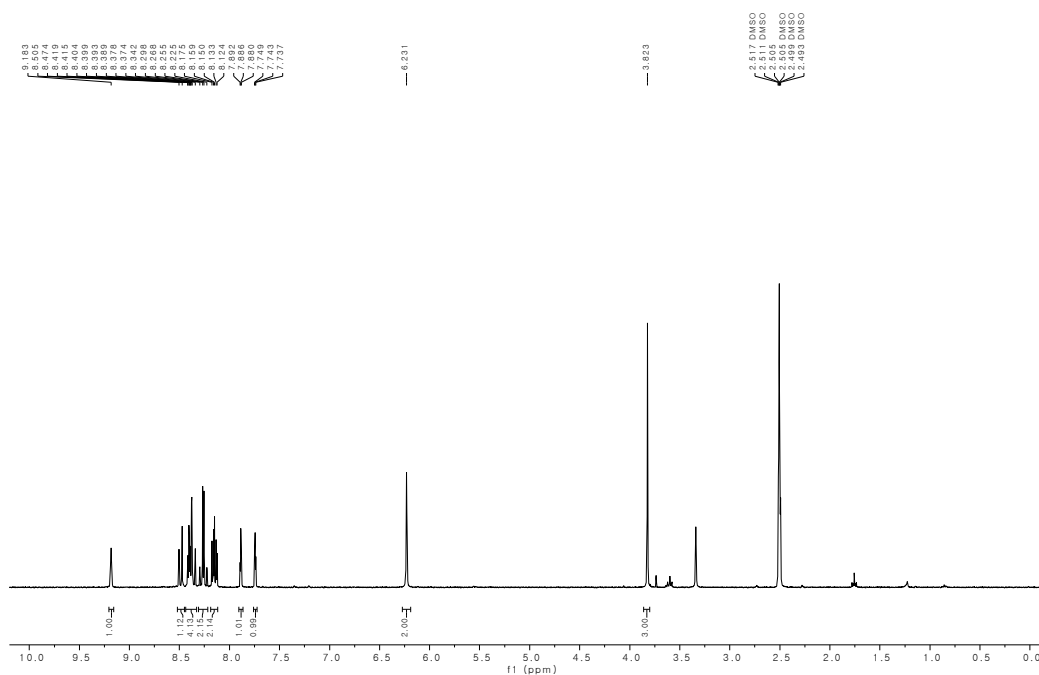
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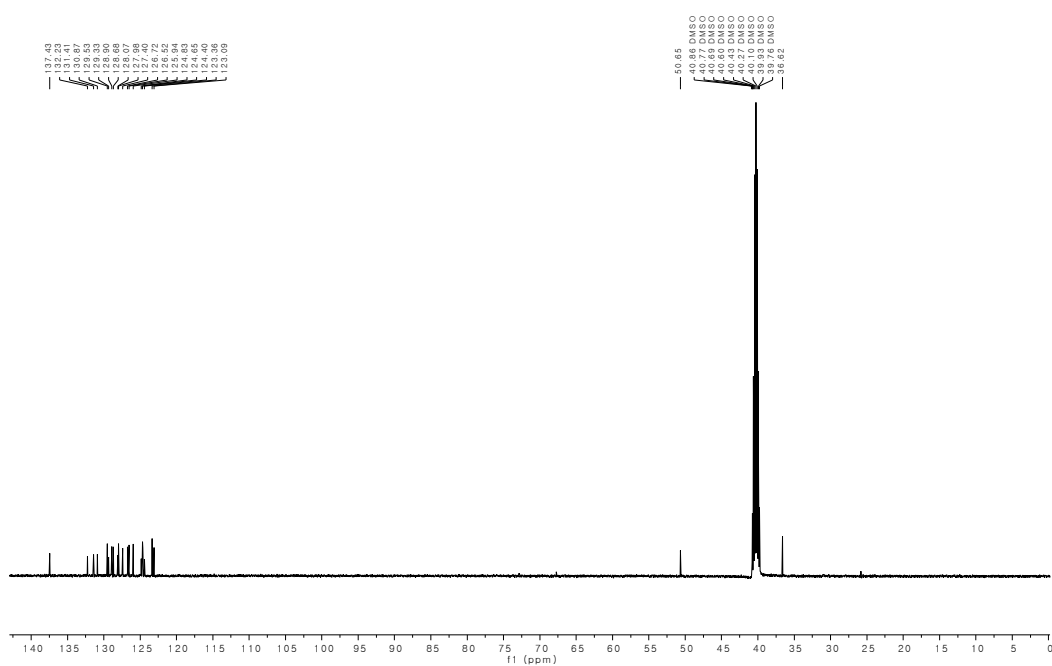
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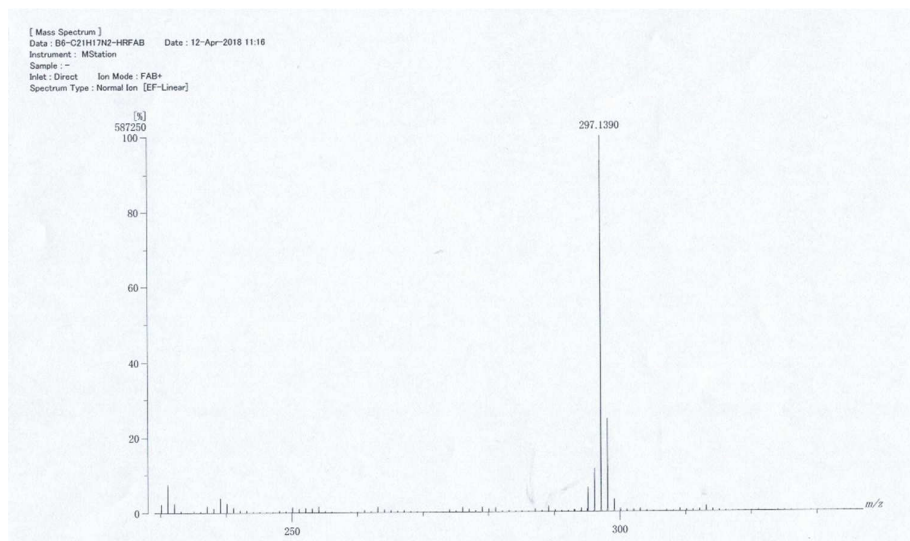
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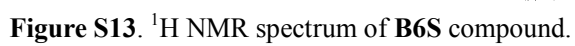


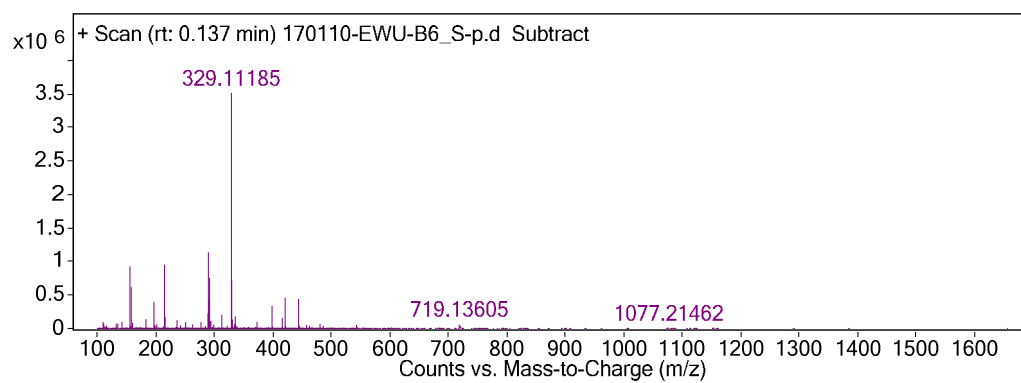
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