

## Supporting Information

### Efficient Synthesis of a 2-Decyl-tetradecyl Substituted 7-Bromophenothiazine-3-carbaldehyde Building Block for Functional Dyes

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# 1. NMR spectra of compound 2

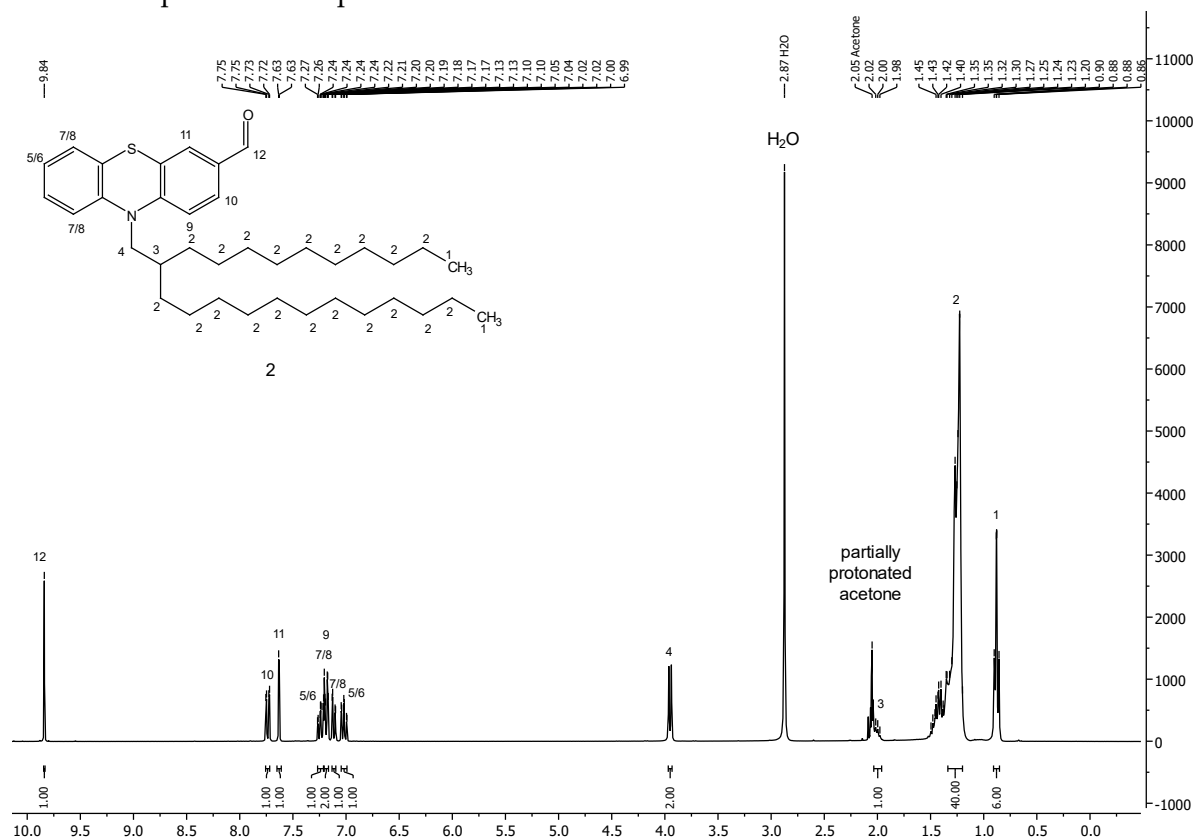


Figure S1. <sup>1</sup>H NMR spectrum of compound 2 (recorded in acetone-d<sub>6</sub> at 300 MHz, *T* = 298 K).

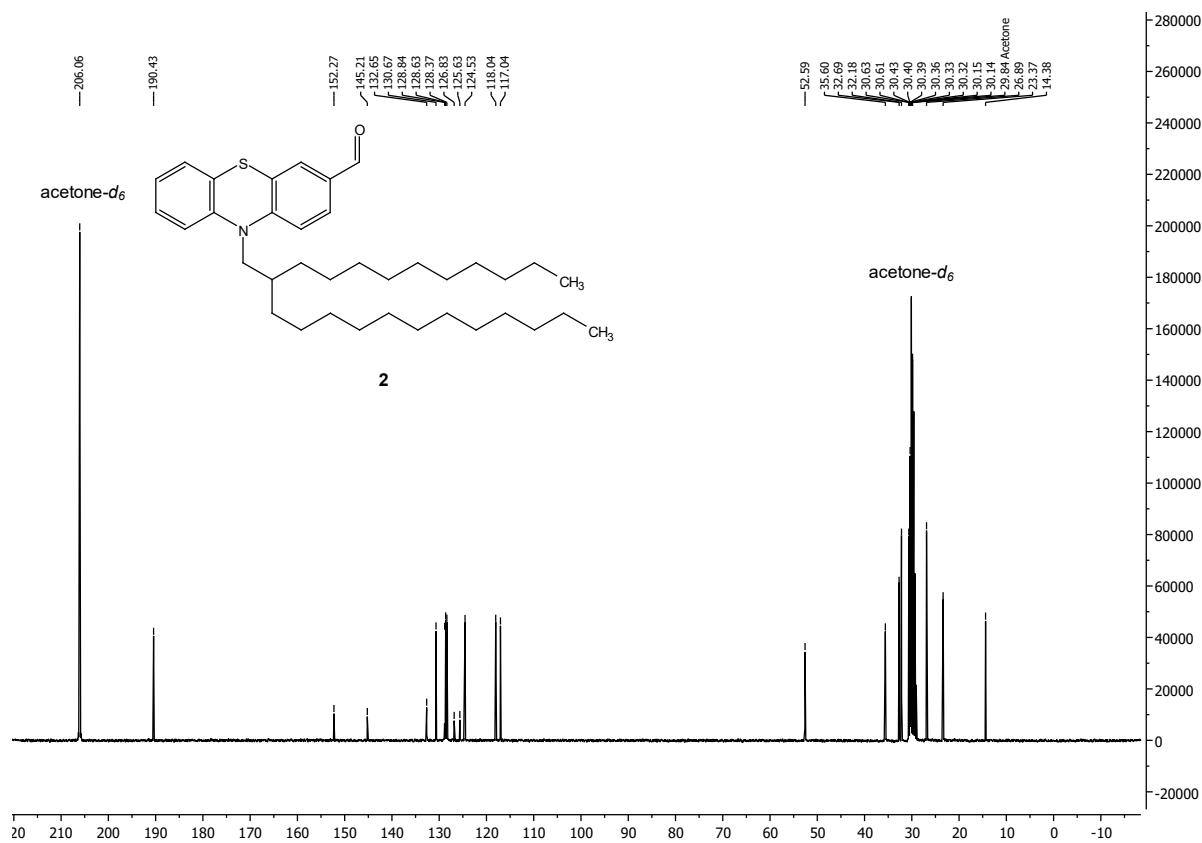
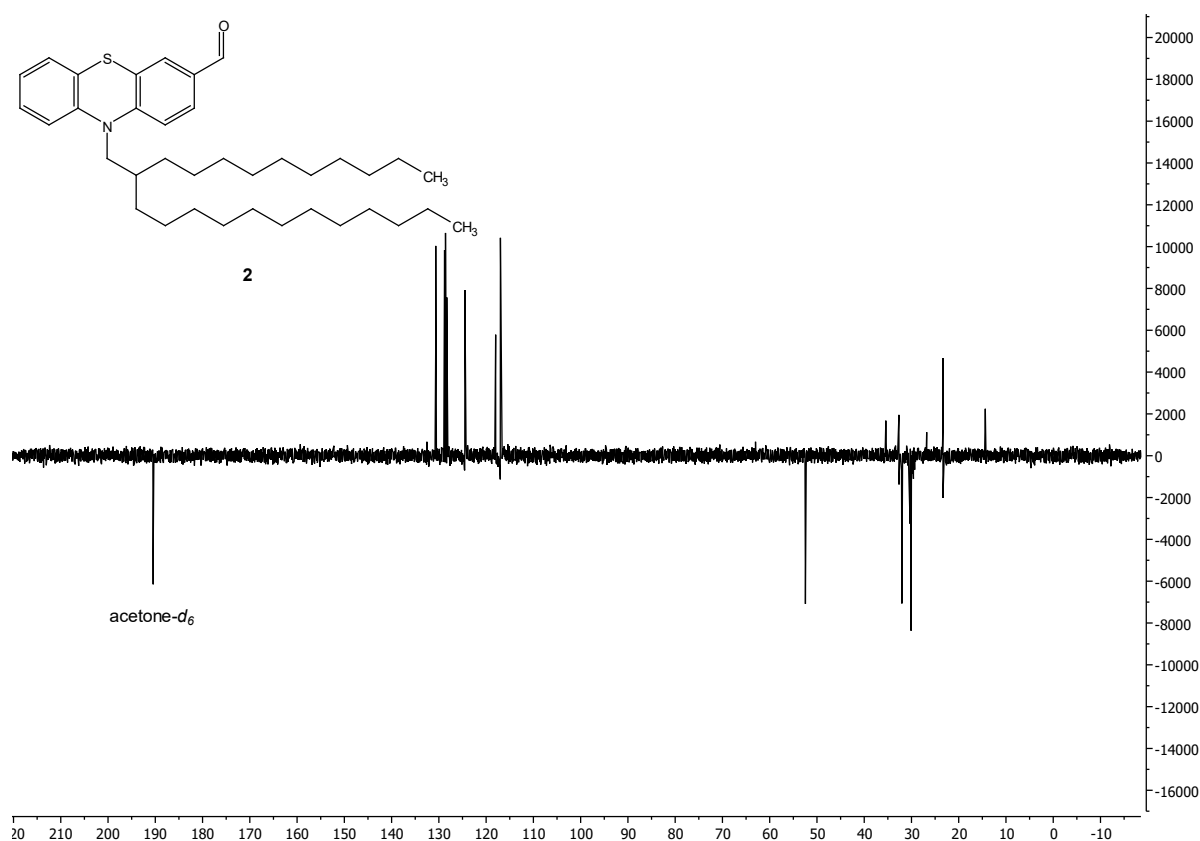
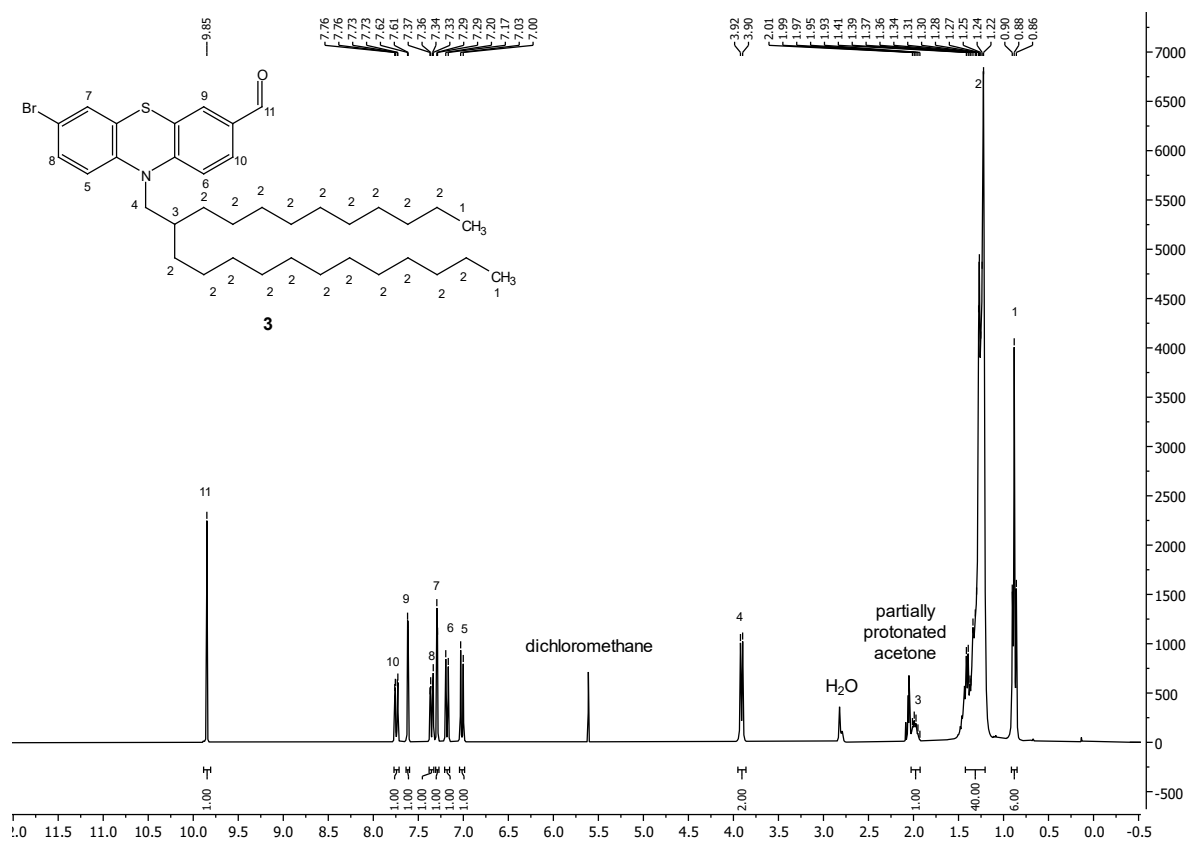


Figure S2. <sup>13</sup>C NMR spectrum of compound 2 (recorded in acetone-d<sub>6</sub> at 75 MHz, *T* = 298 K).

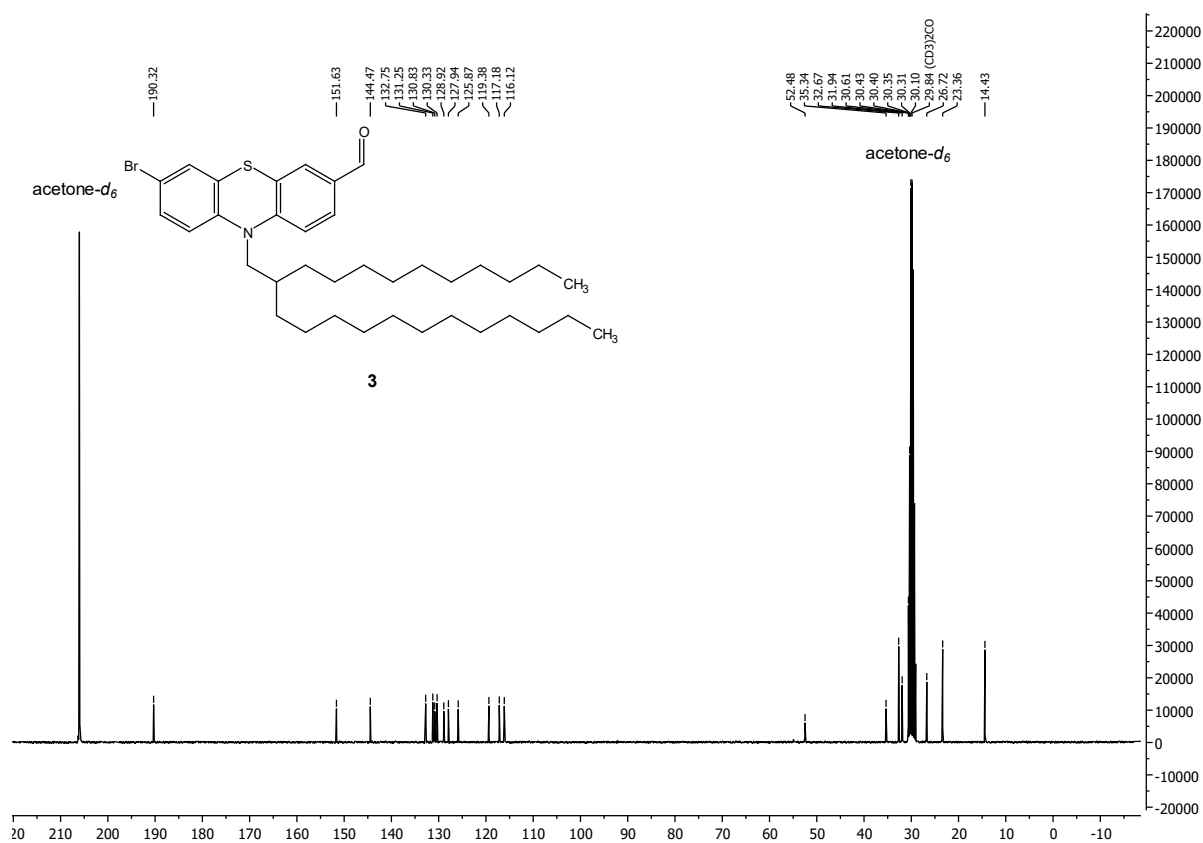


**Figure S3.** DEPT-135 NMR spectrum of compound **2** (recorded in acetone- $d_6$  at 75 MHz,  $T = 298$  K).

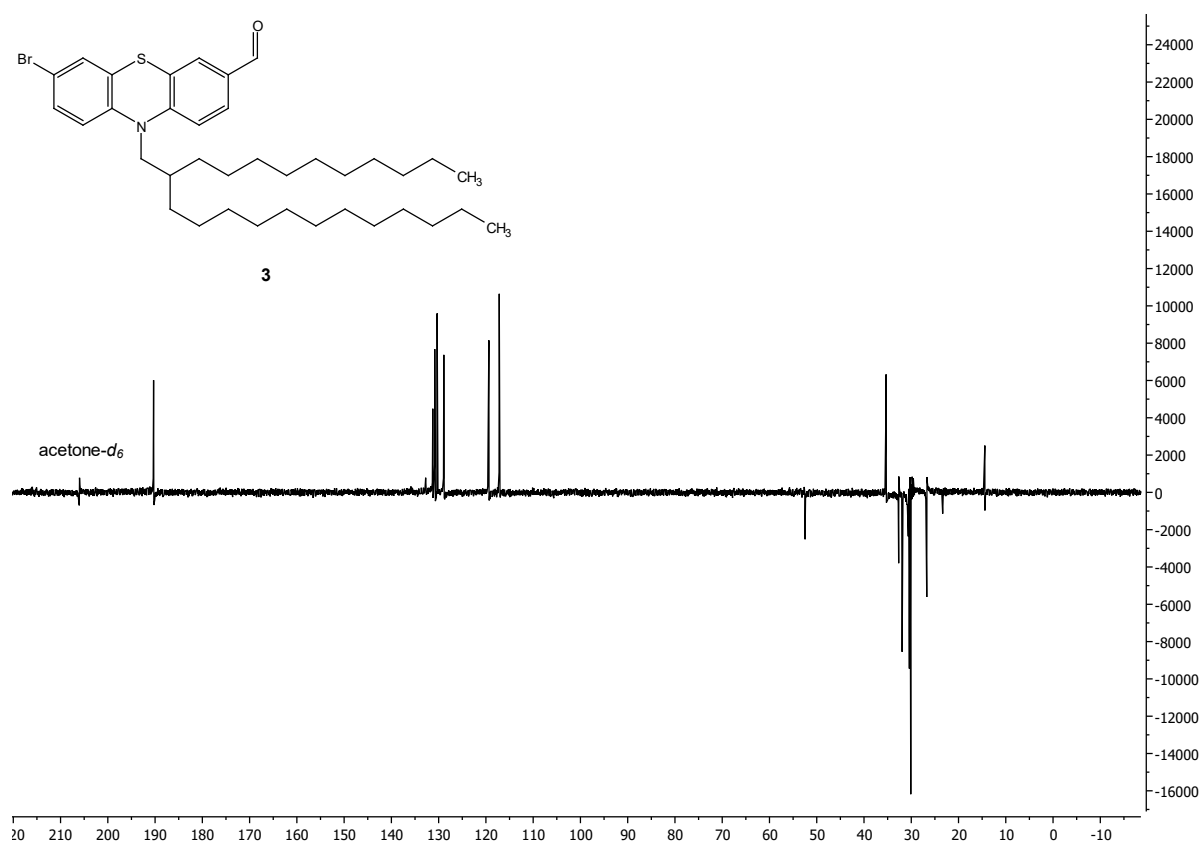
## 2. NMR spectra of compound 3



**Figure S4.**  $^1\text{H}$  NMR spectrum of compound **3** (recorded in acetone- $d_6$  at 300 MHz,  $T = 298$  K).



**Figure S5.** <sup>13</sup>C NMR spectrum of compound 3 (recorded in acetone-*d*<sub>6</sub> at 75 MHz, *T* = 298 K).



**Figure S6.** DEPT-135 NMR spectrum of compound 3 (recorded in acetone-*d*<sub>6</sub> at 75 MHz, *T* = 298 K).