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Selective Fluorescence Sensing of Salicylic Acids Using a Simple Pyrenesulfonamide Receptor

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$^1$H NMR of probe 2 aliphatic region in CDCl$_3$

$^1$H NMR of probe 2 aromatic region in CDCl$_3$
$^{13}$C NMR of probe 2 in CDCl₃
HRMS of probe 2
$^1$H NMR of probe 3 in DMSO-d$_6$. 
$^1$H NMR of probe 3 aliphatic region in DMSO-d$_6$. 
$^1$H NMR of probe 3 aromatic region in DMSO-d$_6$
$^{13}$C NMR of probe 3 in DMSO-$d_6$. 
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\[ \text{H NMR of probe 4 in DMSO-d}_6. \]
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$^1$H NMR of probe 4 aromatic region in DMSO-d$_6$
$^{13}$C NMR of probe 4 in DMSO-d$_6$. 
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<table>
<thead>
<tr>
<th>Molecule/Complex</th>
<th>State</th>
<th>Absorption</th>
<th>Coefficient</th>
<th>$-\Delta E_{\text{HOMO/LUMO}}$</th>
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<tbody>
<tr>
<td>5-NSA</td>
<td>$S_4$</td>
<td>H $\rightarrow$ L</td>
<td>0.95</td>
<td>4.391</td>
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<tr>
<td>3,5-DNSA</td>
<td>$S_6$</td>
<td>H $\rightarrow$ L + 1</td>
<td>0.89</td>
<td>4.480</td>
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<tr>
<td>Probe 3</td>
<td>$S_1$</td>
<td>H $\rightarrow$ L</td>
<td>0.95</td>
<td>3.537</td>
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<tr>
<td>Probe 3 + 5-NSA</td>
<td>$S_2$</td>
<td>H $\rightarrow$ L</td>
<td>0.91</td>
<td>3.530</td>
</tr>
<tr>
<td>Probe 3 + 3,5-DNSA</td>
<td>$S_7$</td>
<td>H $\rightarrow$ L + 2</td>
<td>0.95</td>
<td>3.518</td>
</tr>
</tbody>
</table>

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