Carbazole Substituted Boron Dipyromethenes

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Table 1: Selected bond distances (Å) and bond angles (°) for BODIPYs 1 and 2.

<table>
<thead>
<tr>
<th>Bond length/torsion angles</th>
<th>BODIPY 1</th>
<th>BODIPY 2</th>
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<tbody>
<tr>
<td>B1-F1</td>
<td>1.392(19)</td>
<td>1.39(2)</td>
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<tr>
<td>B2-F2</td>
<td>1.393(18)</td>
<td>1.372(18)</td>
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<tr>
<td>B1-N1</td>
<td>1.5464(19)</td>
<td>1.58(2)</td>
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<tr>
<td>N1-C1</td>
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<td>N1-C4</td>
<td>1.3956(16)</td>
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<tr>
<td>F1-B1-F2</td>
<td>108.69(11)</td>
<td>107.6(12)</td>
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<td>N1-B1-N2</td>
<td>106.03(10)</td>
<td>106.4(12)</td>
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<td>C6-C5-C13-C14</td>
<td>46.10(17)</td>
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<td>C5-C13</td>
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<td>C1(α)-C2(β)</td>
<td>1.394(19)</td>
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<tr>
<td>C2 (β)-C3(β)</td>
<td>1.384(17)</td>
<td>1.39(2)</td>
</tr>
</tbody>
</table>
Figure 26: Absorption spectra of BODIPY 1-4 in different solvents.
Figure 27: Emission spectra of BODIPY 1-4 in different solvents.