Spectral data of porphyrin derivative $C_{30}H_{24}F_6N_4O_4$

2. Spectral Studies
2.1. Spectral Data of Porphyrin Isomers and Expanded Porphyrins

Structure formula

<table>
<thead>
<tr>
<th>NMR</th>
<th>IR</th>
<th>UV-Visible</th>
</tr>
</thead>
<tbody>
<tr>
<td>Solvent</td>
<td>Peaks $\delta$ [ppm]/$\gamma$ [J Hz]</td>
<td>Peaks $\gamma$ [cm$^{-1}$]</td>
</tr>
<tr>
<td>CDCl$_3$</td>
<td>$-2.94$ (s, 2H), $1.30$ (t, 6H), $2.15–2.25$ (m, 4H), $5.04$ (t, 4H), $9.46$ (d, 4H), $9.68–9.79$ (m, 4H)</td>
<td>Purple solid</td>
</tr>
</tbody>
</table>

Symbols and abbreviations

Short Form | Full Form
---|---
NMR | nuclear magnetic resonance
IR | infrared
UV-Visible | ultraviolet–visible
$\delta$ | chemical shift
$\gamma$ | absorption band
$\lambda$ | wavelength
$\varepsilon$ | molar absorptivity

References