

**Supporting information.**

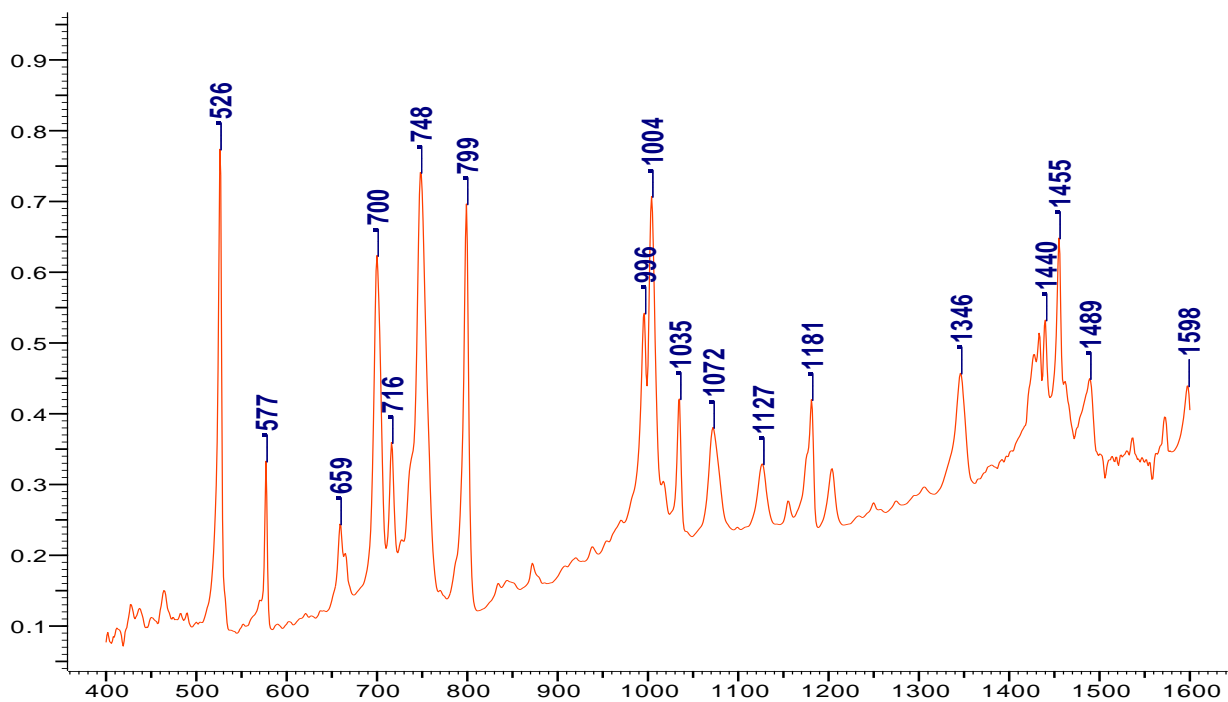
**Table S1.** IR spectra of parent compounds and complex **1**.

	<b>C<sub>60</sub></b>	<b>Fe<sup>II</sup>TPP</b>	<b>C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub></b>	<b>C<sub>6</sub>H<sub>14</sub></b>	<b>1</b>
<b>C<sub>60</sub></b>	526s 576m 1182m 1429m				526s 578m 1181m* 1427m
<b>Fe<sup>II</sup>TPP</b>		434w 661w 703m 750m 806m 995s 1002s 1070m 1175m 1200w 1336m sp 1340m sp 1440m 1486w 1559w 1596m			- 659w* 700s 748s* 799s 996m 1004s 1072m* 1181m* 1204w - 1346m* 1440m 1489w 1560w 1598w
<b>C<sub>6</sub>H<sub>4</sub>Cl<sub>2</sub></b>			657w 748s 1030m 1122m 1453m		659w* 748s* 1032m 1127w* 1455m*
<b>C<sub>6</sub>H<sub>14</sub></b>				722s 758w 882m 1065m 1136m 1342m 1373s 1460s	716m 748s* 876w 1072m* 1127w* 1346m* - 1465w

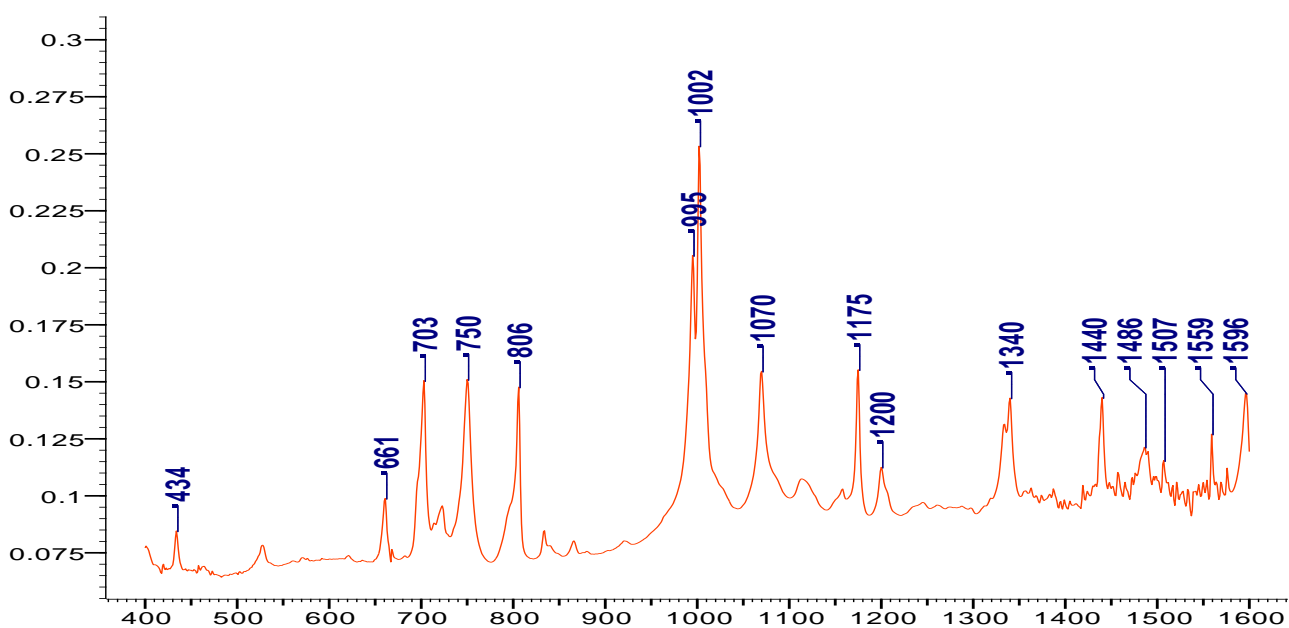
w- weak, m- middle, s- strong, sp. – split band

\*- the bands coincide.

### IR-spectra



**Figure 1S.** IR-spectrum of **1** in the 400-1600  $\text{cm}^{-1}$  range in KBr pellet.



**Figure 2S.** IR-spectrum of  $\text{Fe}^{\text{II}}$ TPP in the 400-1600  $\text{cm}^{-1}$  range in KBr pellet.