

**Supplementary material for**  
**Crystal structure and optical characterization of a new hybrid compound, C<sub>6</sub>H<sub>9</sub>N<sub>2</sub>FeCl<sub>4</sub>,**  
**with large dielectric constants for Field-Effect Transistors**

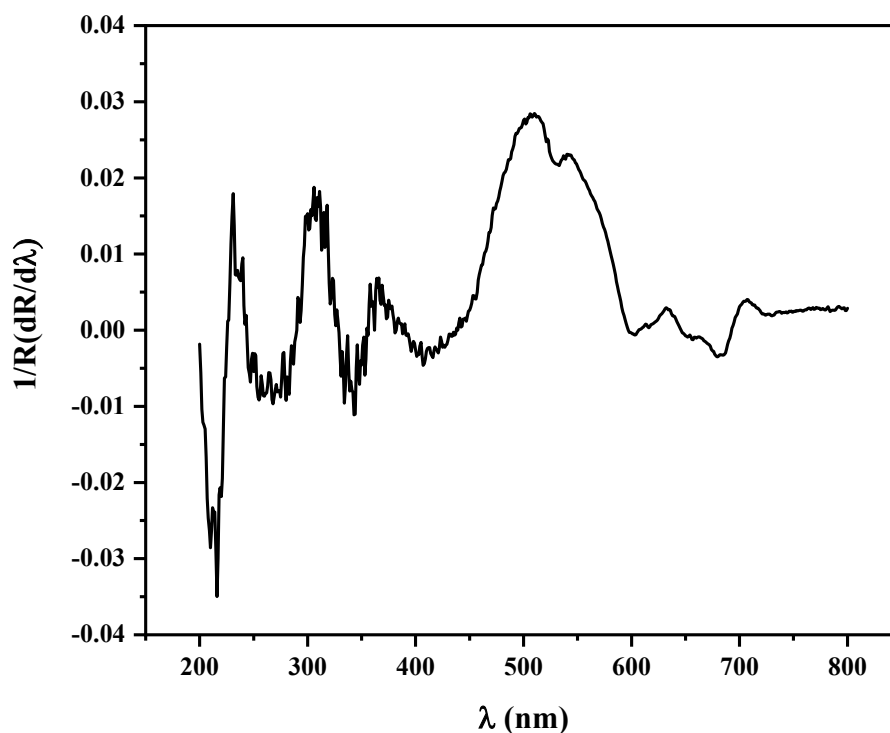
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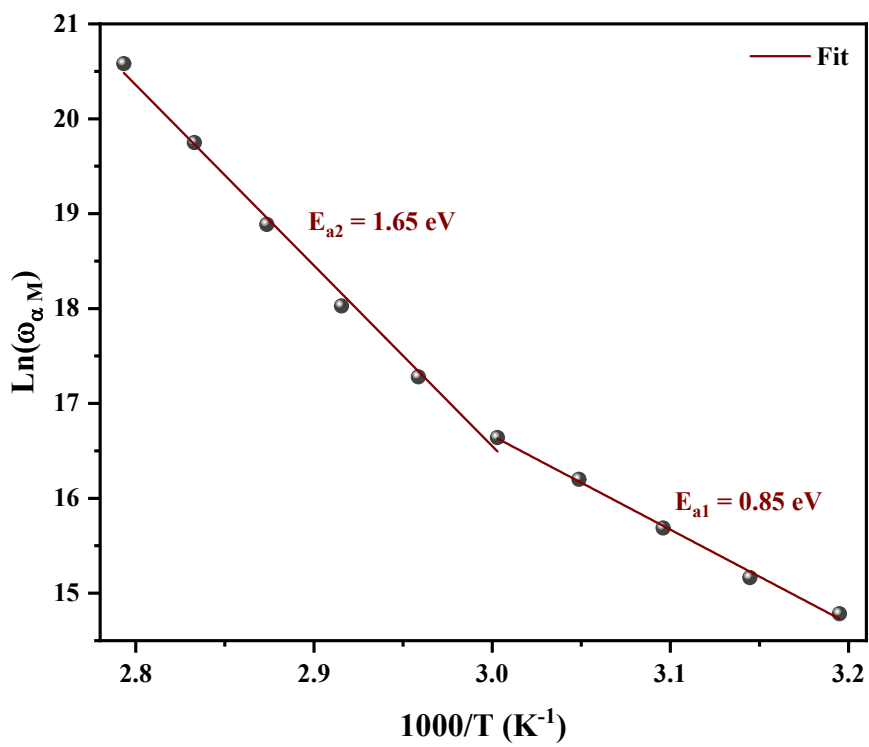
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**Figure S1:** Variation of  $(1/R)(dR/d\lambda)$  as a function of wavelength.



**Figure S2:** The variation of  $\text{Ln}(\omega_{\alpha M})$  versus the inverse of temperature.