

# Synthesis, Characterization and Biological Activities of New Schiff Base Compound and Its Lanthanide Complexes

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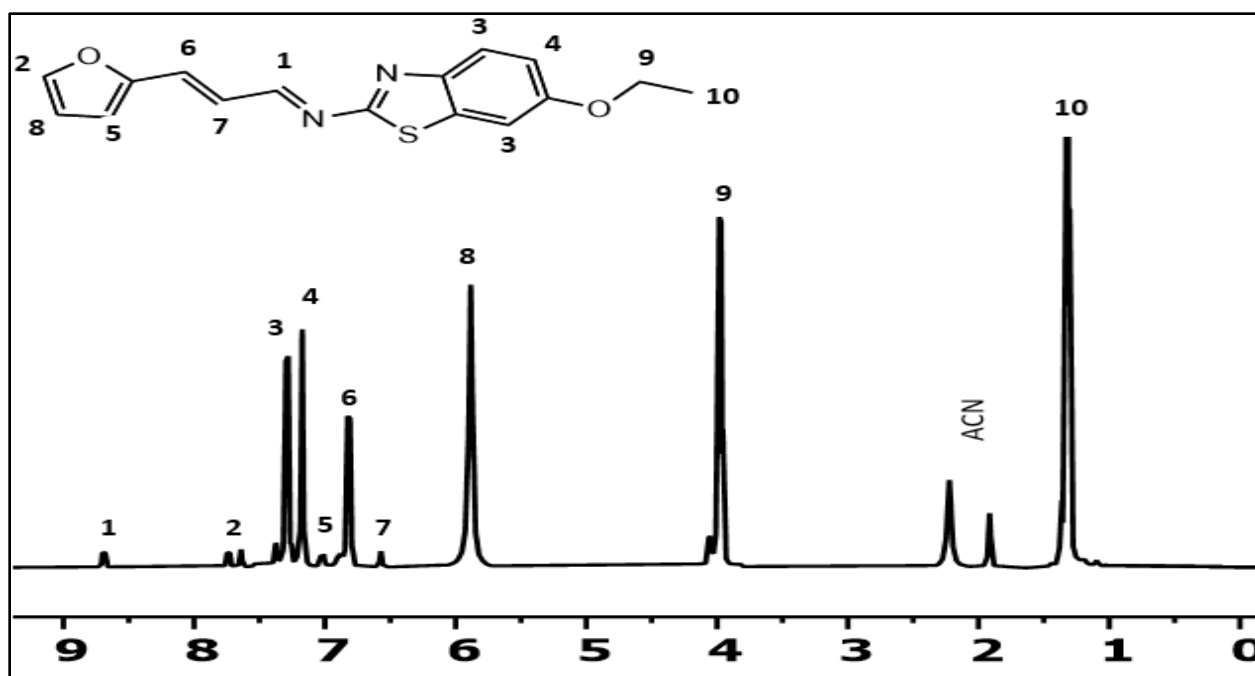
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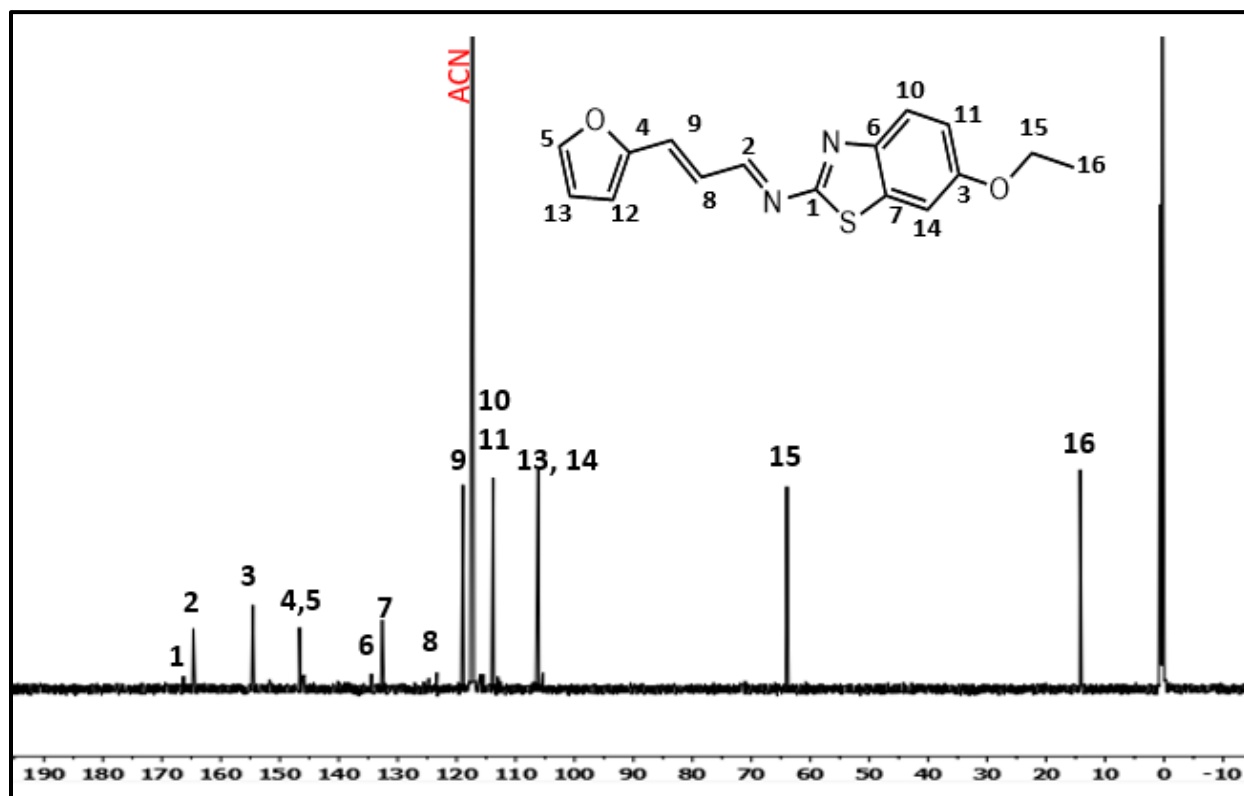
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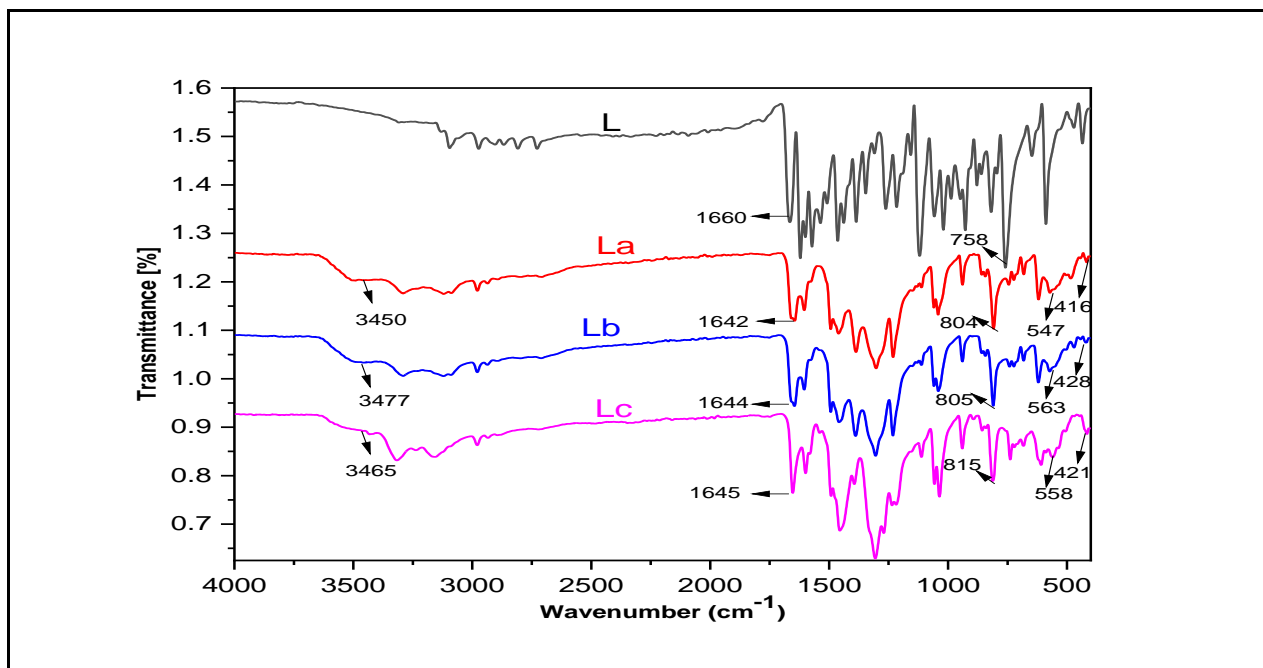
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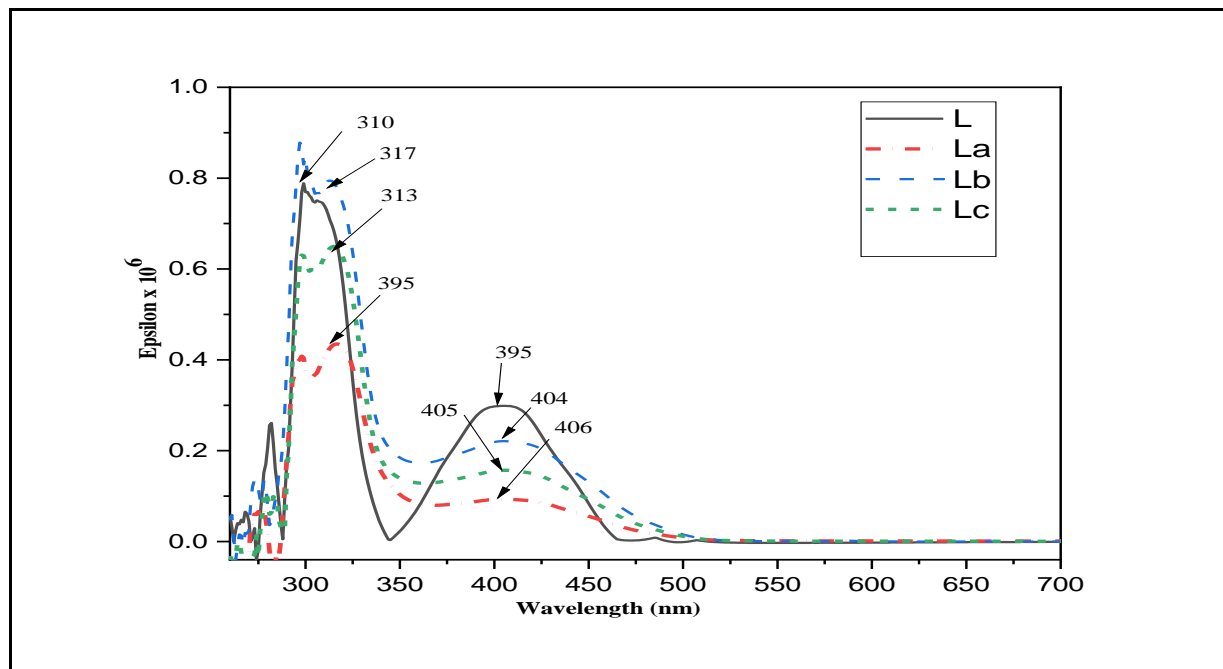
**Figure S1:** <sup>1</sup>H NMR spectrum of **L** in ACN.



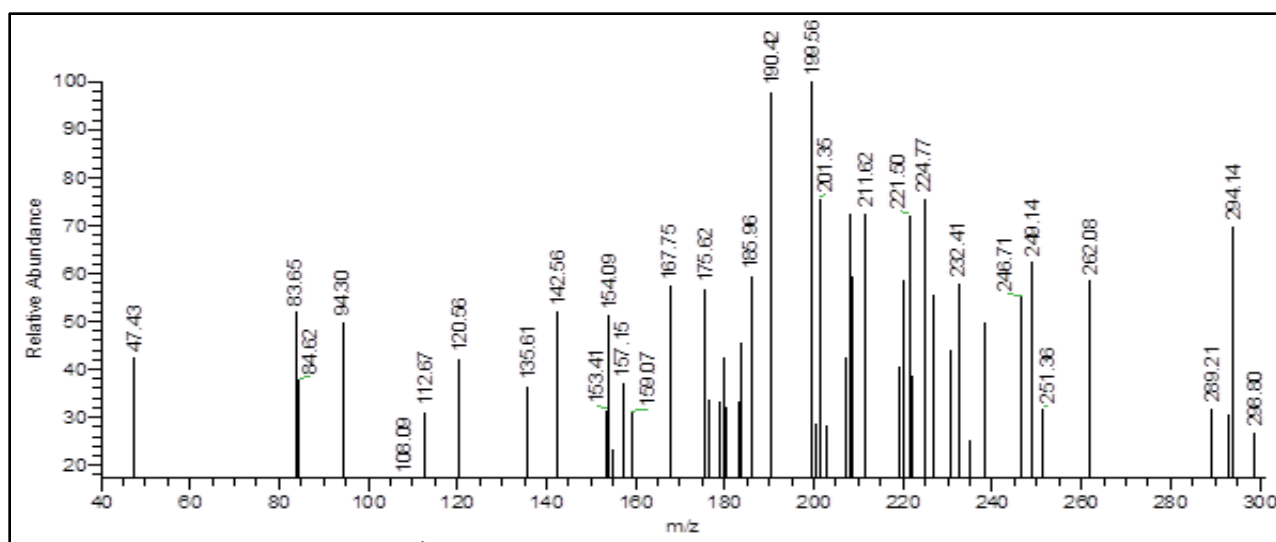
**Figure S2:** <sup>13</sup>C NMR spectrum of **L** in ACN.



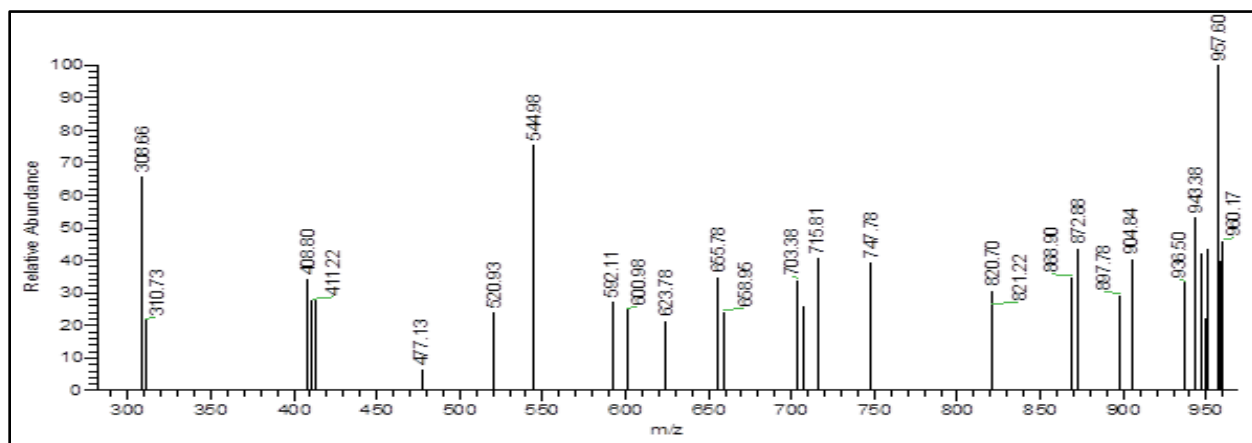
**Figure S3:** FTIR spectra of **L**, **L<sub>a</sub>**, **L<sub>b</sub>** and **L<sub>c</sub>**.



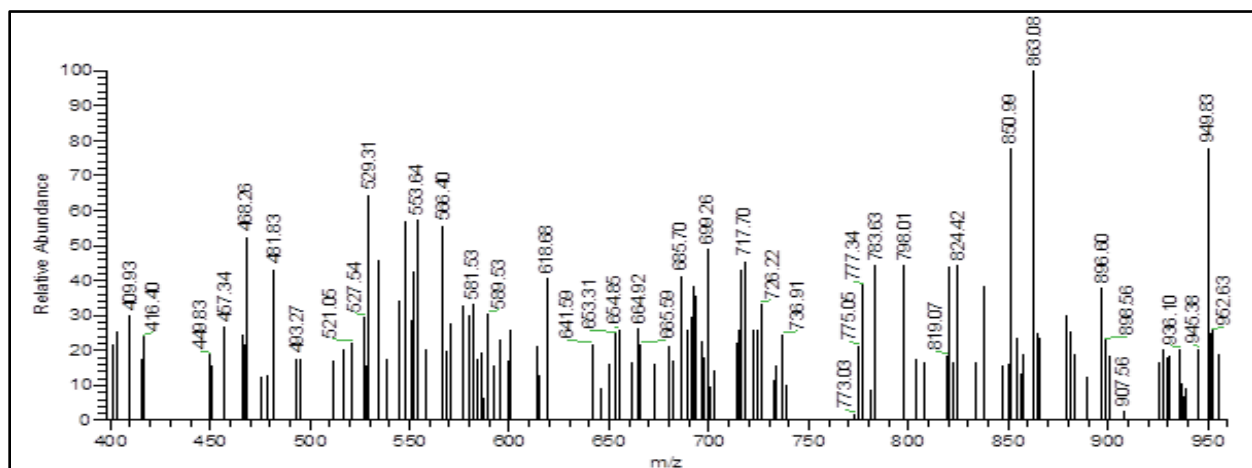
**Figure S4:** UV-vis spectra of **L**, **L<sub>a</sub>**, **L<sub>b</sub>** and **L<sub>c</sub>** in ACN.



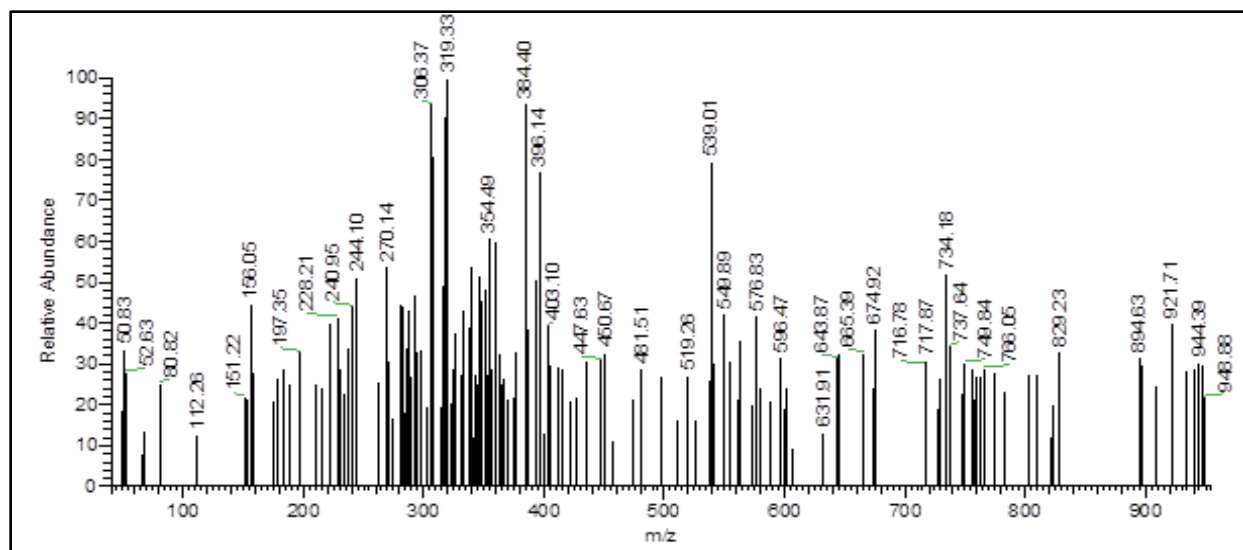
**Figure S5:** Mass spectrum of **L**.



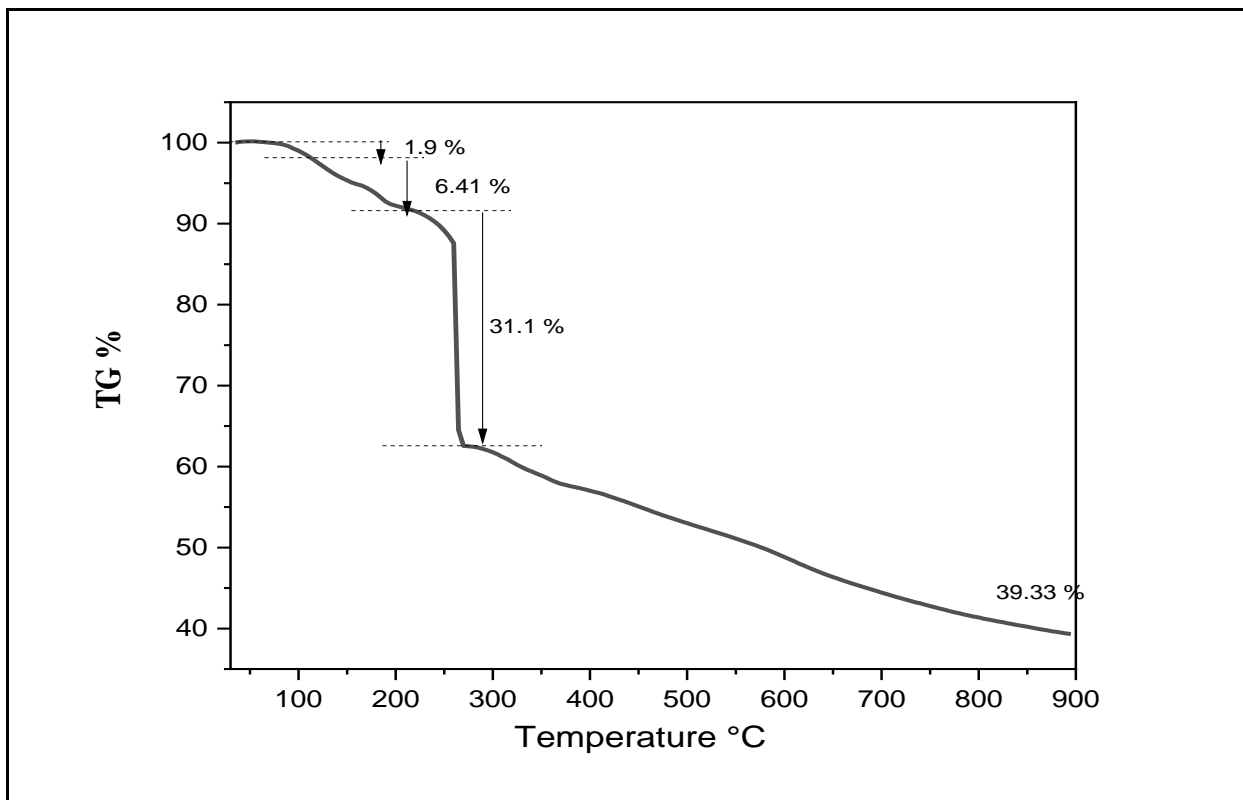
**Figure S6:** Mass spectrum of **L<sub>a</sub>**.



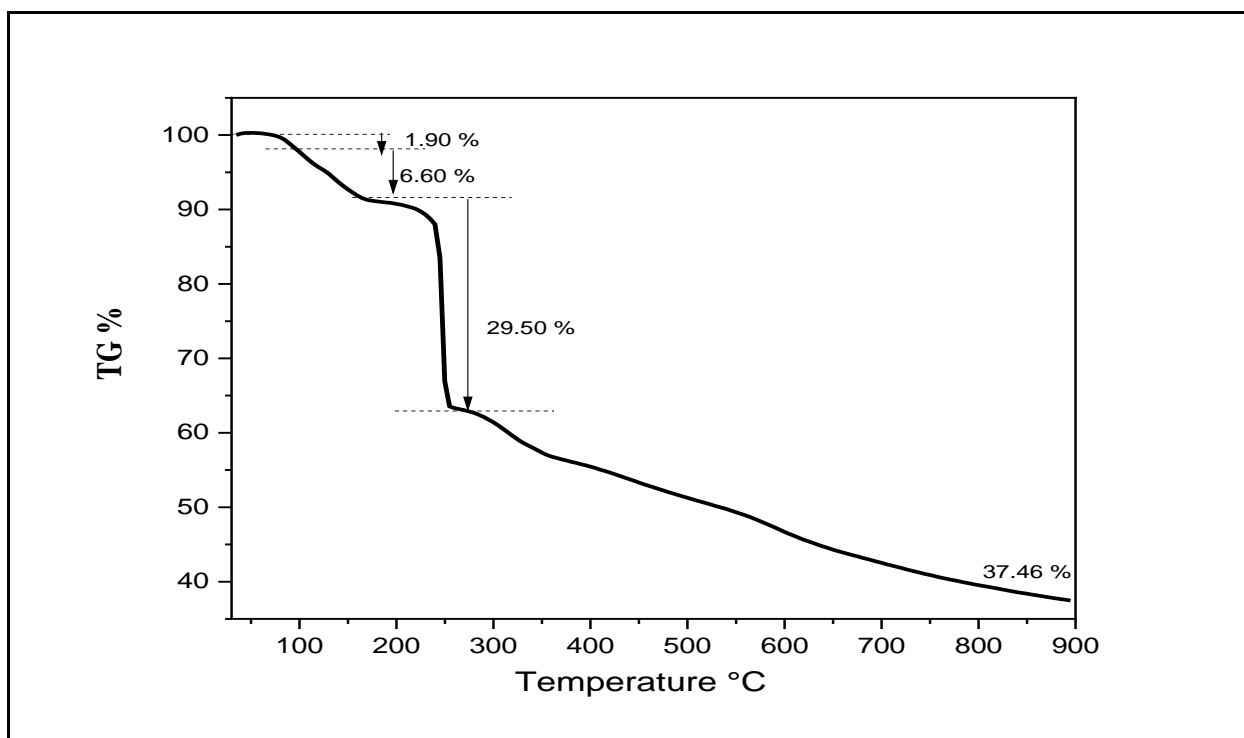
**Figure S7:** Mass spectrum of **L<sub>b</sub>**.



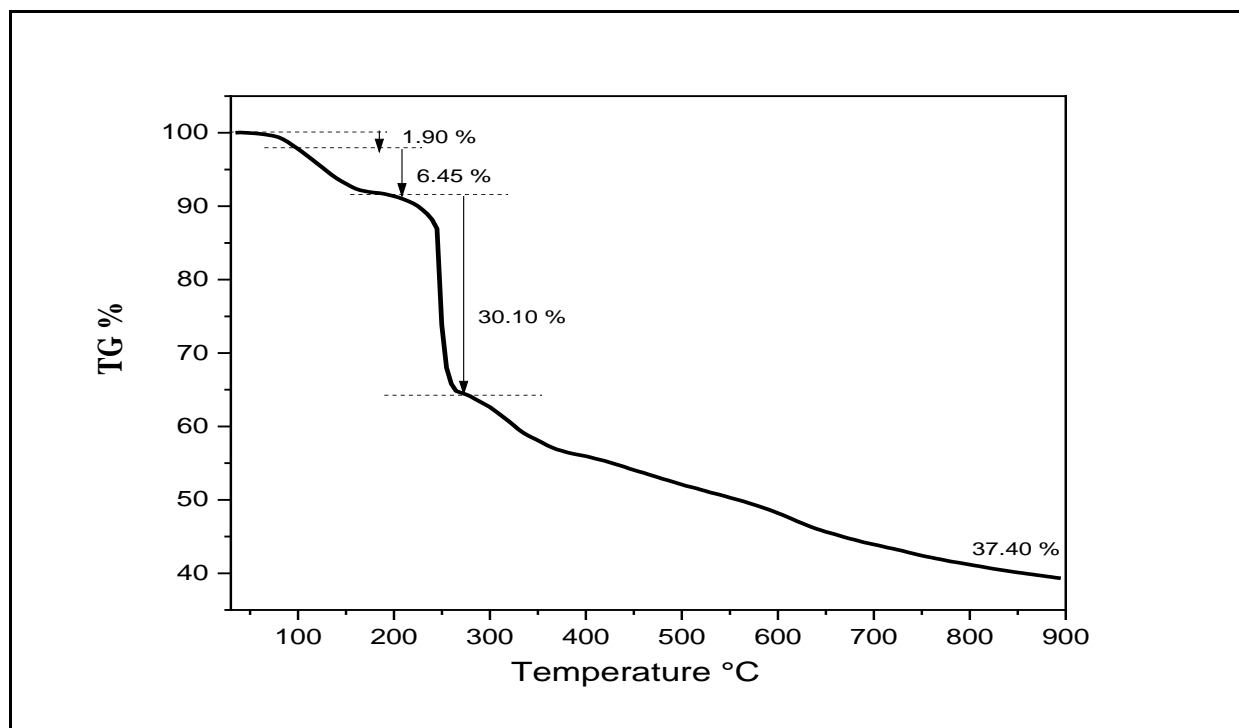
**Figure S8:** Mass spectrum of  $L_c$ .



**Figure S9:** Thermogravimetric spectrum of  $L_a$



**Figure S10:** Thermogravimetric spectrum of  $L_b$



**Figure S11:** Thermogravimetric spectrum of  $L_c$