

**Coumarin-Pyridone conjugate as a Fluorescent tag for LFPs visualization
and Electrochemical Sensor for Nitrite**

Manjunatha B¹, Yadav D. Bodke^{1*}, Mounesh², Nagaraja O¹, Navaneethgowda P.V.¹

*¹Department of P.G. Studies and Research in Chemistry, Jnana Sahyadri, Kuvempu University
Shankaraghatta- 577451, Shivamogga, Karnataka, India.*

*²Department of P.G. Studies and Research in Chemistry, Vijayanagara Sri Krishnadevaraya
University, Ballari-583105, Karnataka, India.*

**Corresponding author: E-mail: ydbodke@gmail.com*

Fig.S1: IR spectrum of CPC

Fig.S2: ¹H NMR spectrum of CPC

Fig.S3: ¹³C NMR spectrum of CPC

Fig.S4: HRMS spectrum of CPC

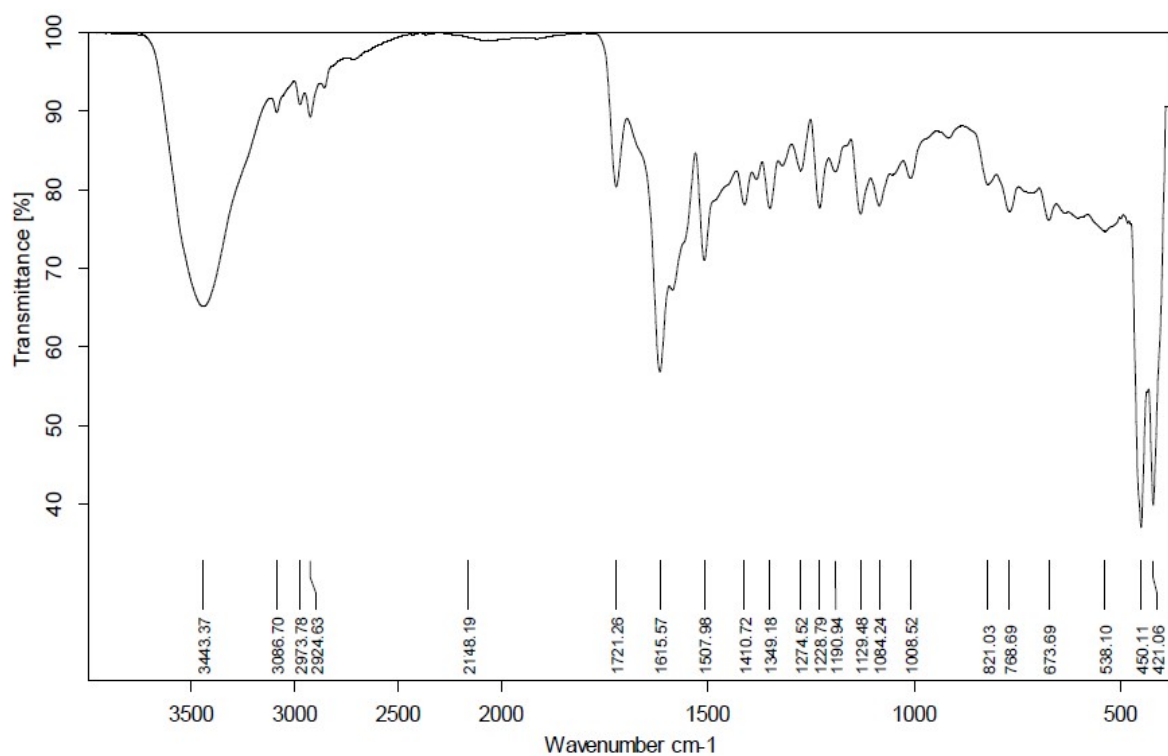
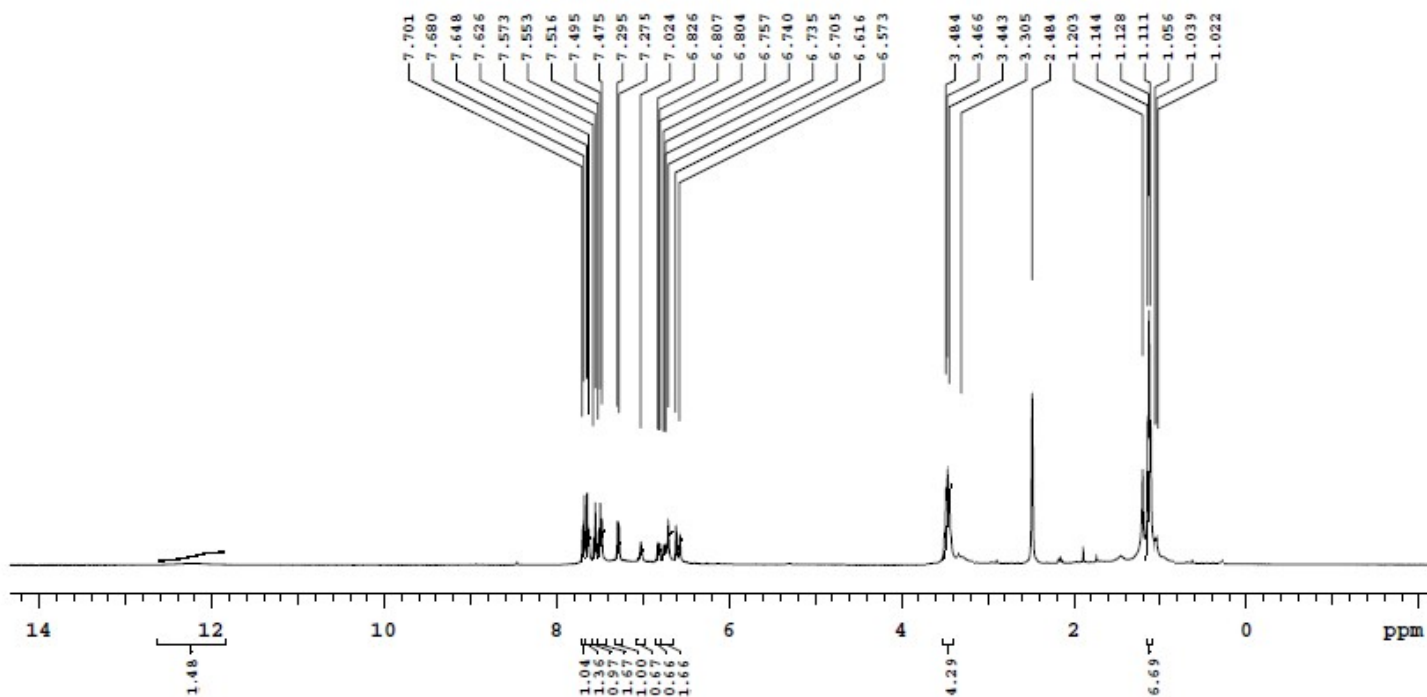


Figure S1: IR spectrum of CPC



<p>FULSE SEQUENCE Relax. delay 1.000 sec Pulse 45.0 degrees Acq. time 3.408 sec Width 9615.4 Hz 16 repetitions</p>	<p>OBSERVE H1, 399.8231903</p>	<p>DATA PROCESSING Line broadening 1.0 Hz FT size 65536 Total time 1 minute</p>	<p>F1-1H Solvent: dmsc Ambient temperature Operator: vnmr1 File: F1-1H VNMRS-400 "Agilent-NMR"</p>
--	--------------------------------	---	--

Figure S2: ¹H NMR spectrum of CPC

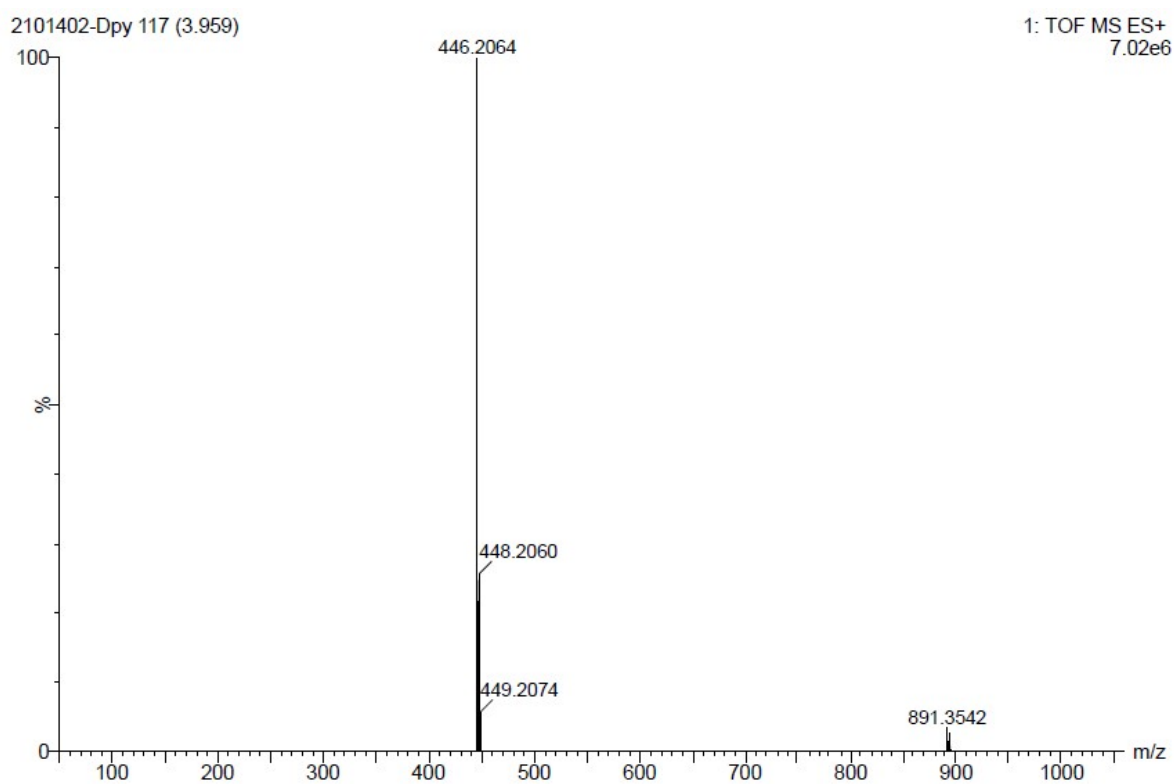


Figure S3:HRMS spectrum of CPC

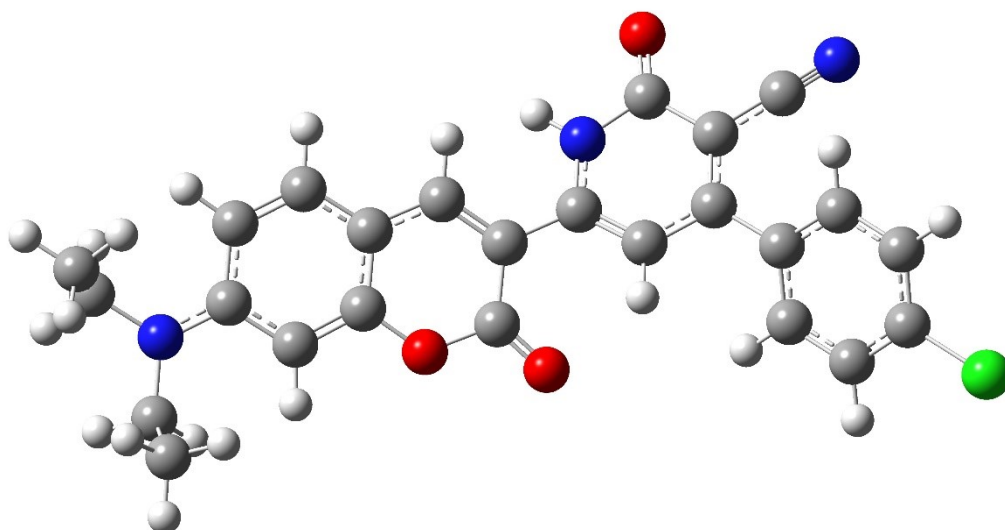


Figure S4: Optimized structure of CPC