

Supporting Information

Communicated to : Dalton Trans
MS Type : Article
MS ID : DT-ART-03-2015-000899 R1

Fluorescent Mixed Ligand Copper(II) Complexes of Anthracene-appended Schiff Bases: Studies on DNA Binding, Nuclease Activity and Cytotoxicity

Paramasivam Jaividhya,^a Mani Ganeshpandian,^a Rajkumar Dhivya,^c Mohammad Abdulkadher Akbarsha^{d,e} and Mallayan Palaniandavar^{a,b*}

^a*School of Chemistry, Bharathidasan University, Tiruchirappalli 620 024, India*

^b*Distinguished Visiting Professor, Department of Chemistry, Indian Institute of Technology Bombay, Powai 400 076, Mumbai, India*

^c*Department of Animal Science, Bharathidasan University, Tiruchirappalli 620 024, India*

^d*Mahatma Gandhi -Doerenkamp Center for Alternatives to use of Animals in Life Science Education, Bharathidasan University, Tiruchirappalli, 620 024, India*

^e*Visiting Professor, Department of Food Sciences and Nutrition, King Saud University, Riyadh 11451, Kingdom of Saudi Arabia*

To whom correspondence should be addressed, e-mail: palanim51@yahoo.com and palaniandavarm@gmail.com

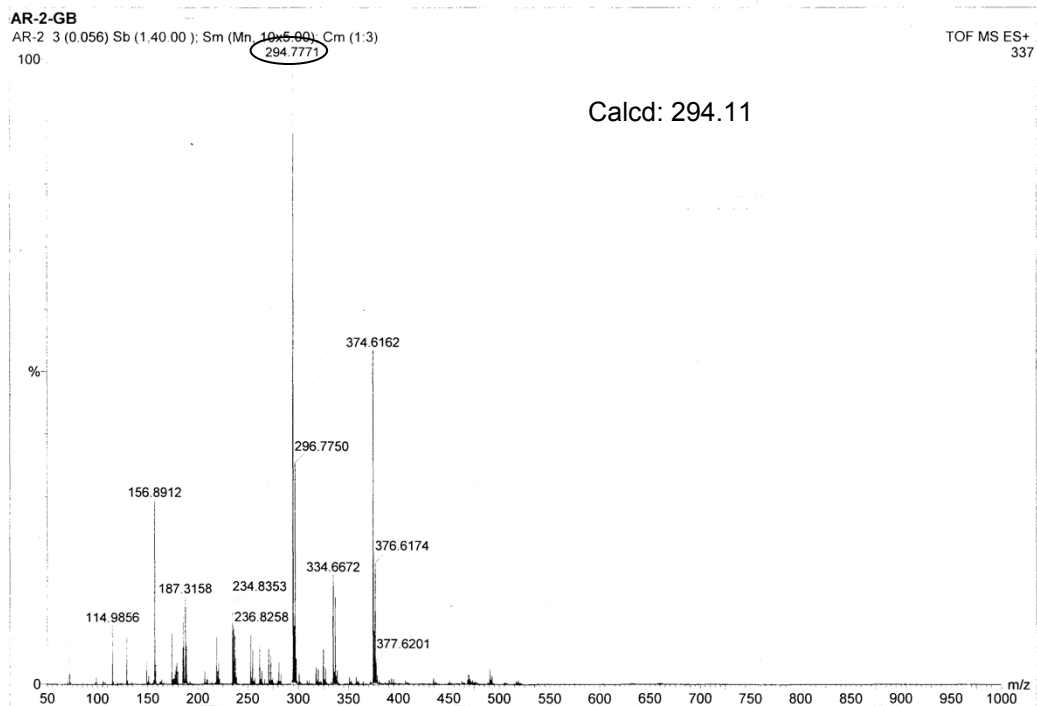


Figure S1. ESI-MS spectra of $[\text{Cu}(\text{L4})(\text{phen})(\text{ACN})]^{2+}$ **4** in acetonitrile.

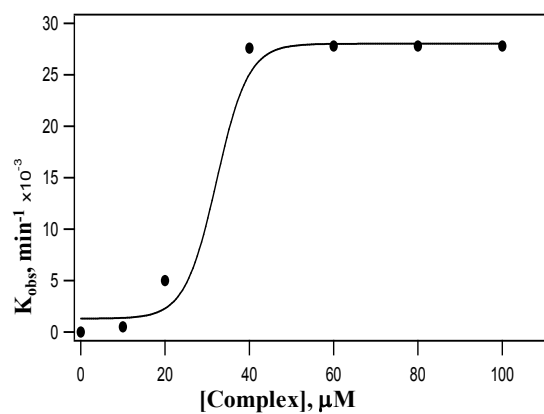


Figure S2. Plot showing saturation kinetics for the cleavage of plasmid pUC19 DNA (40 μM) with different complex concentrations (10 - 100 μM) of **5** at 37 $^{\circ}\text{C}$ in 5 mM Tris-HCl/50 mM NaCl buffer at pH 7.1.