ELECTRONIC SUPPLEMENTARY INFORMATION

for

Axial Ligand Modified High Valent Tin(IV) Porphyrins: Synthesis, Structure, Photophysical Studies and Photodynamic Antimicrobial Activities on Candida Albicans

Rahul Soman[a], Darpan Raghav[b], Subramaniam Sujatha[a], Krishnan Rathinasamy[b*] and Chellaiah Arunkumar[a*]

[a]Bioinorganic Materials Research Laboratory, Department of Chemistry, National Institute of Technology Calicut, Kozhikode, Kerala, India – 673 601.
[b]School of Biotechnology, National Institute of Technology Calicut, Kozhikode, Kerala, India – 673 601.

Email: arunkumarc@nitc.ac.in, rathin@nitc.ac.in

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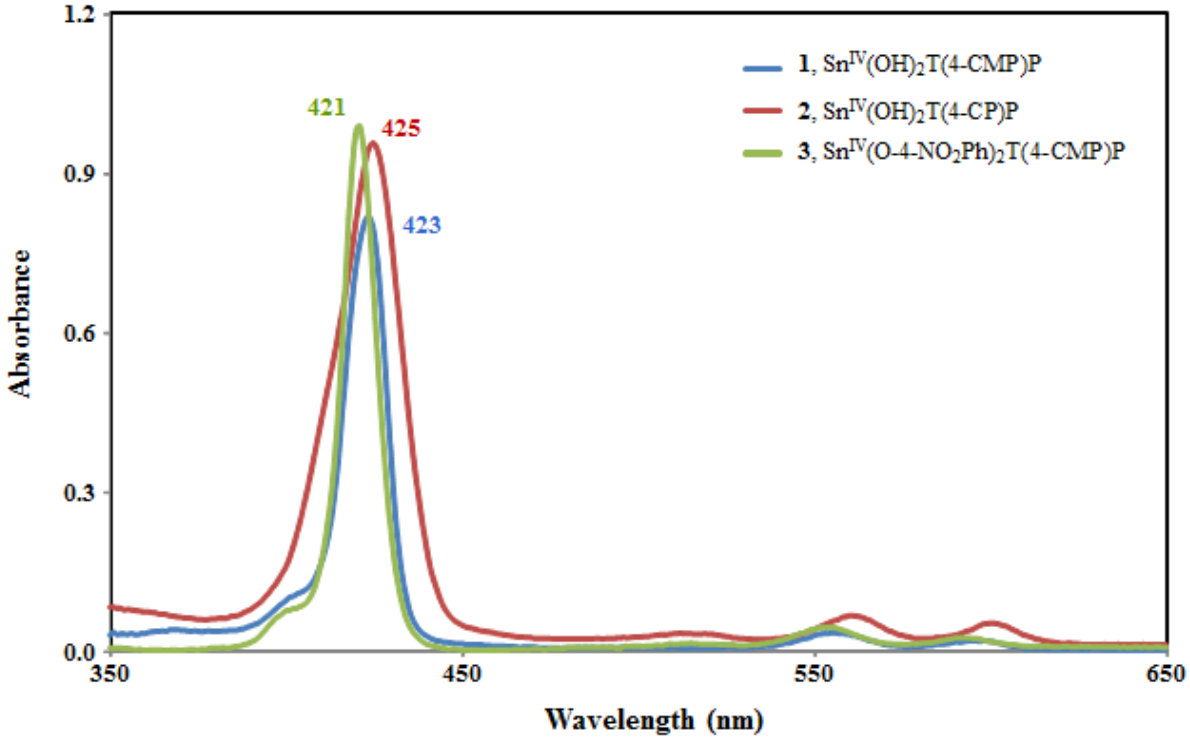

Fig. S1 Optical absorption spectra of tin(IV) porphyrins, **1**–**3** in acetone at 298 K.

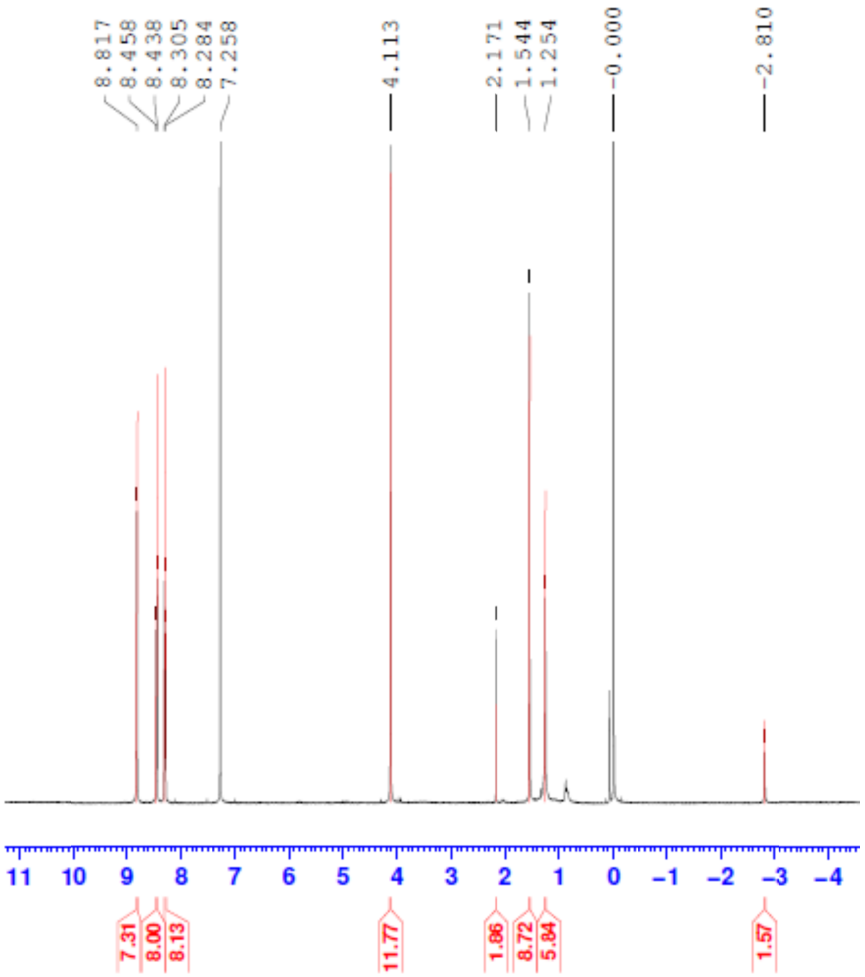

Fig. S2 ^{1}H NMR spectrum of $H_2T(4\text{-CMP})P$ in $CDCl_3$ at 298 K.

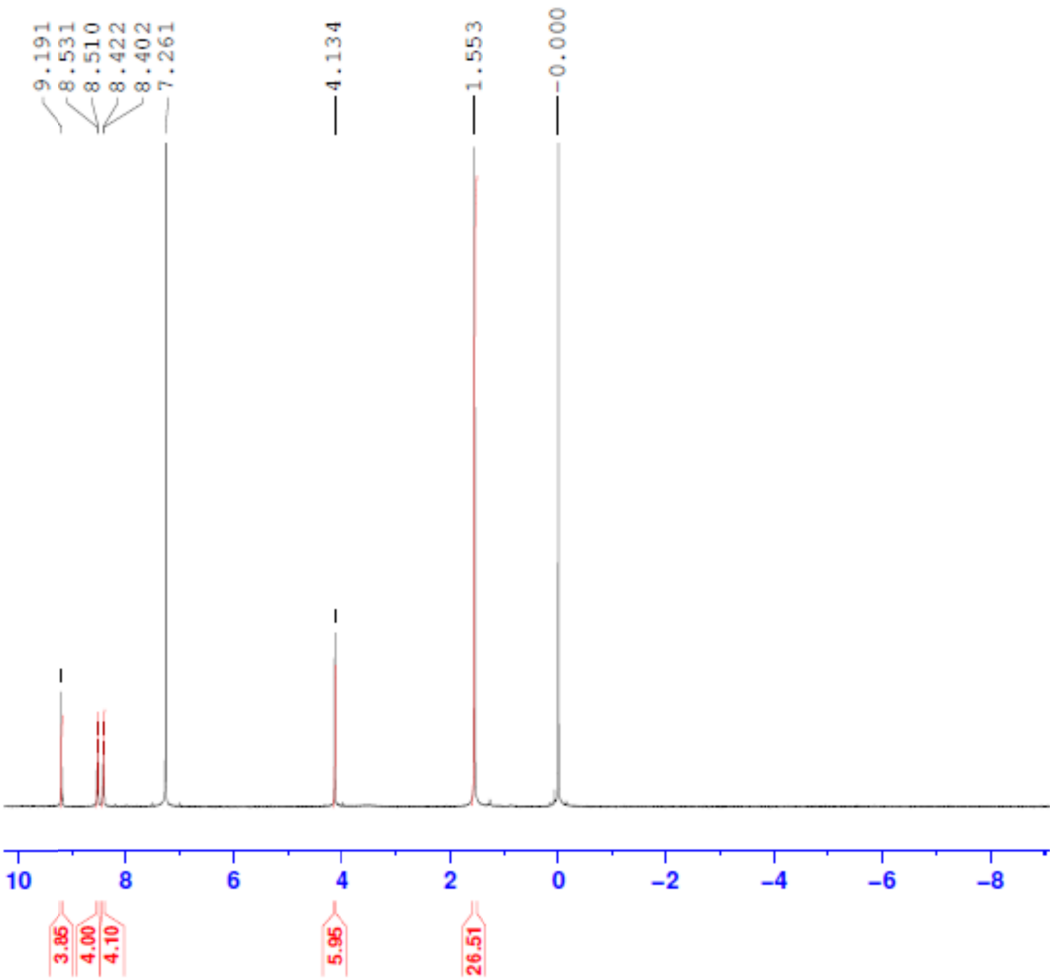

Fig. S3 ^{1}H NMR spectrum of $Sn^{IV}(Cl)_2T(4\text{-}CMP)P$ in $CDCl_3$ at 298 K.

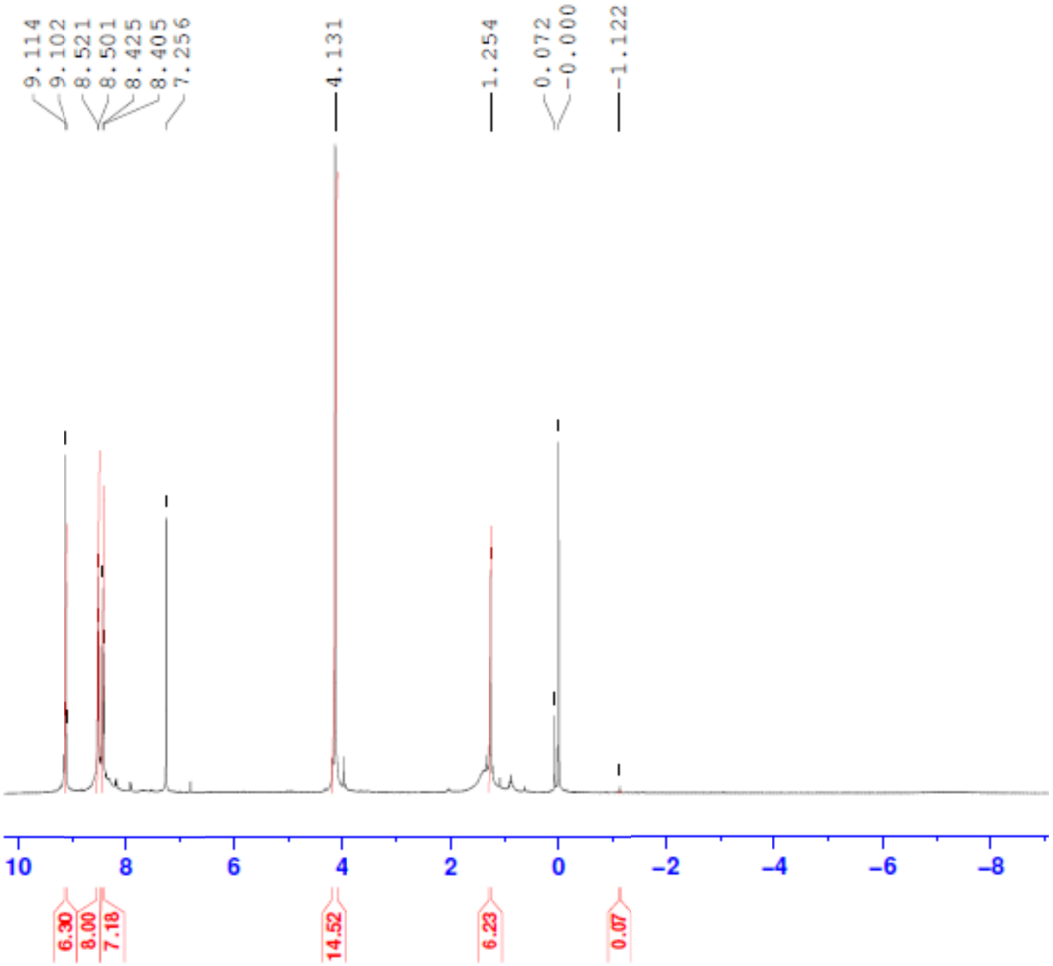

Fig. S4 ^{1}H NMR spectrum of **1** in $CDCl_3$ at 298 K.

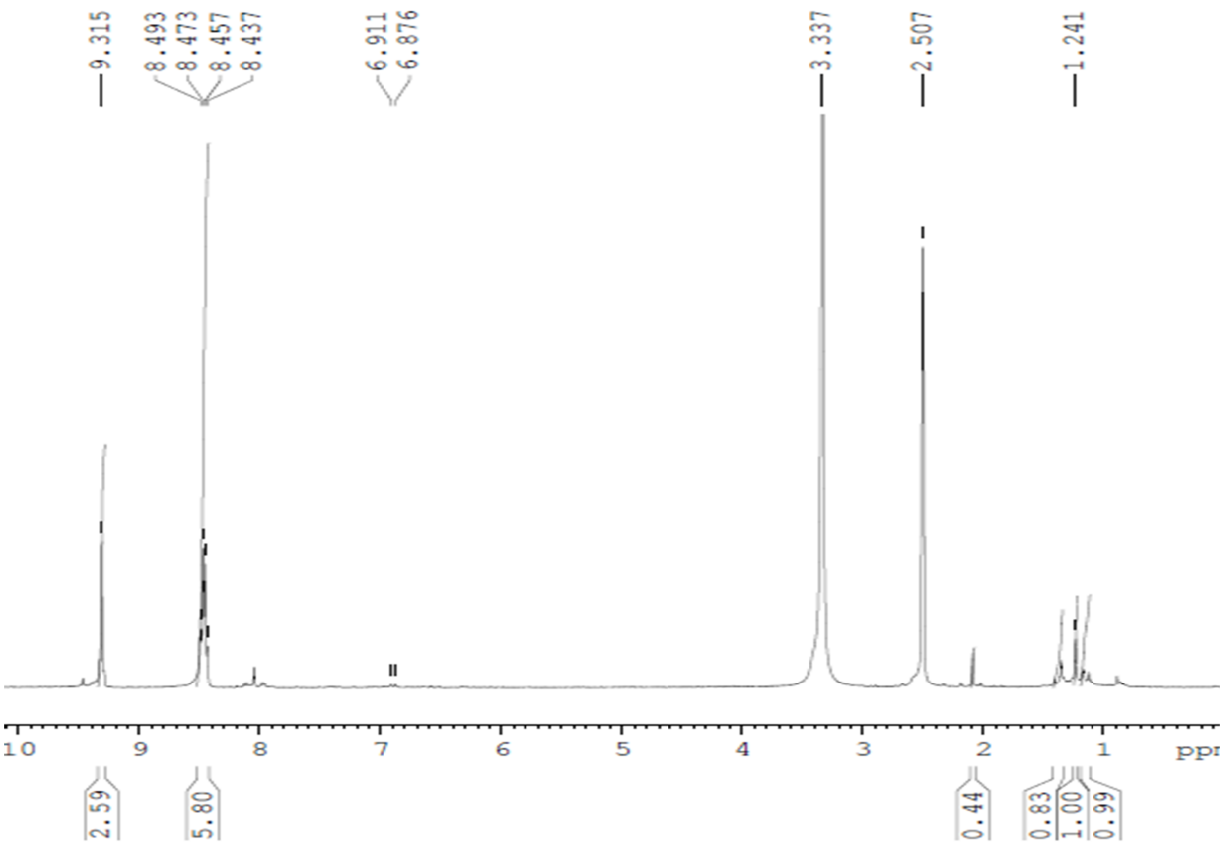

Fig. S5 ^{1}H NMR spectrum of **2** in DMSO-d6 at 298 K.

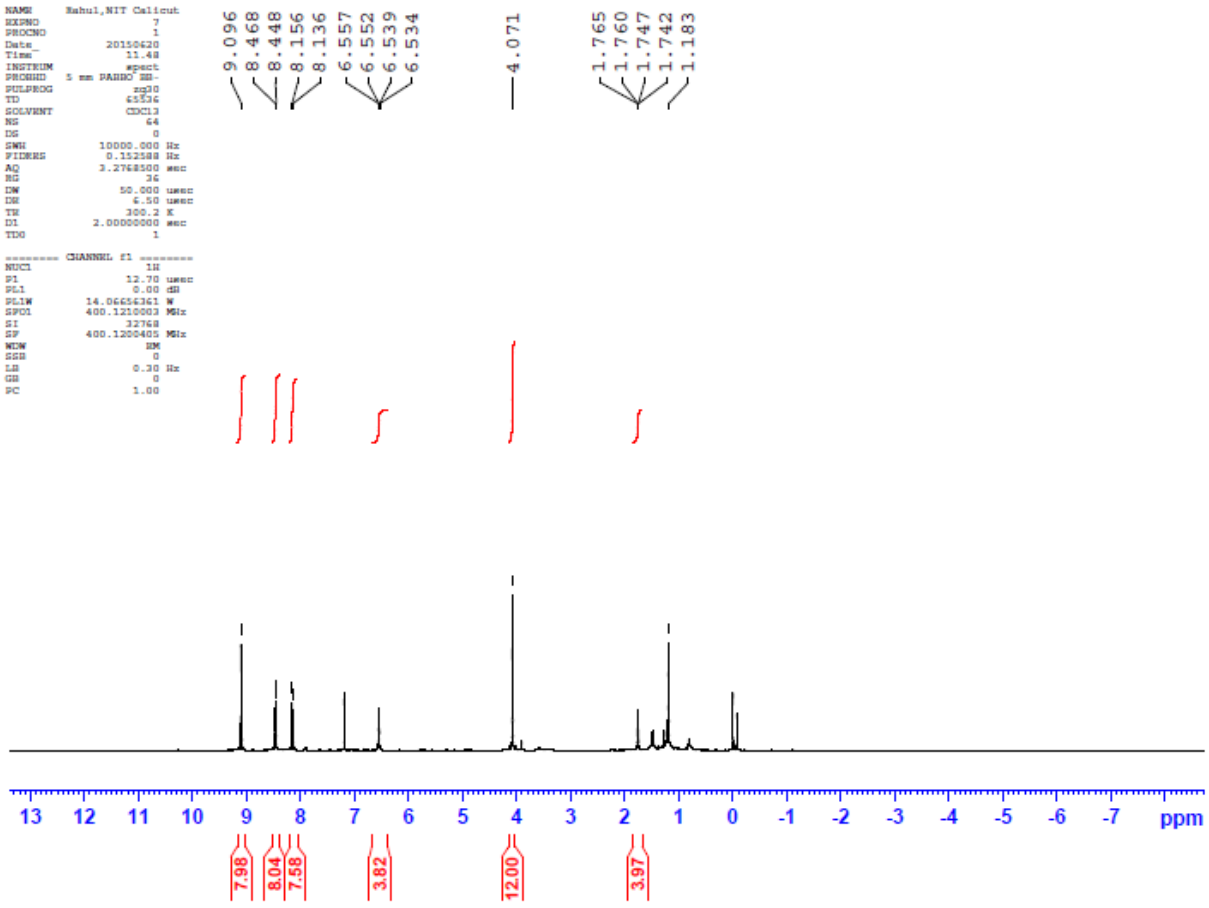

Fig. S6 ^{1}H NMR spectrum of **3** in $CDCl_3$ at 298 K.

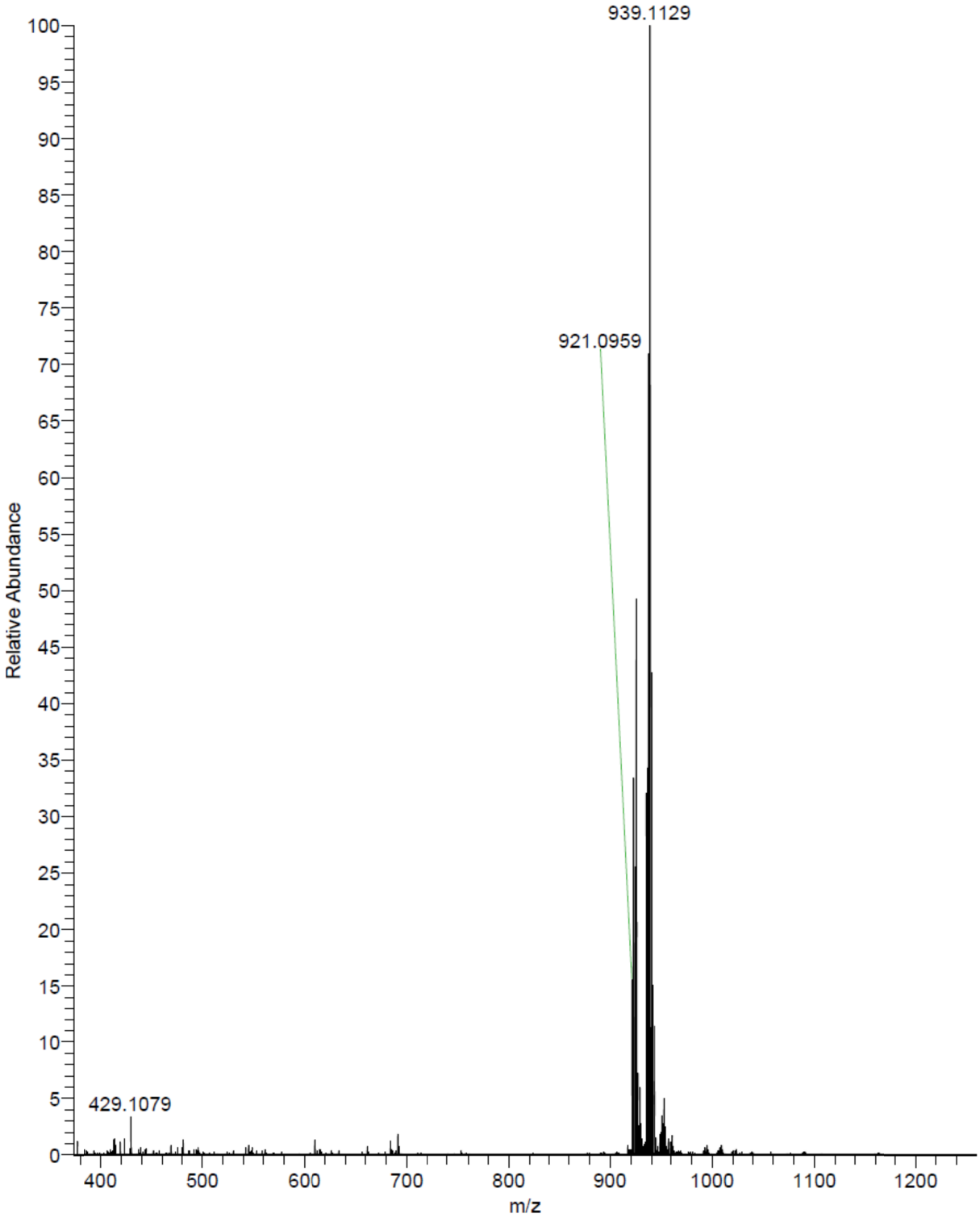

Fig. S7 ESI-mass spectrum of **2**.

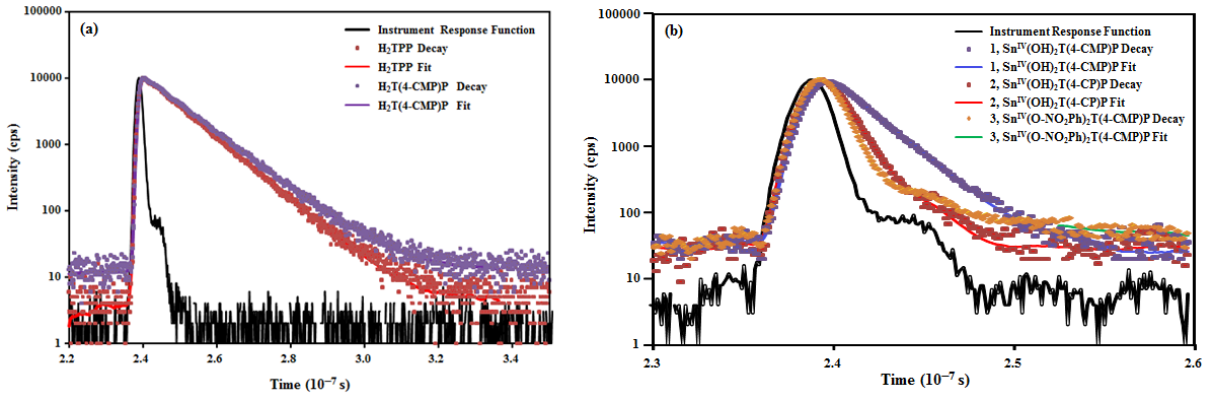

Fig. S8 Fluorescence decay curves of freebase and tin(IV) porphyrins observed at 600 nm along with IRF measured in toluene and THF respectively. (λ_{exc} = 460 nm).

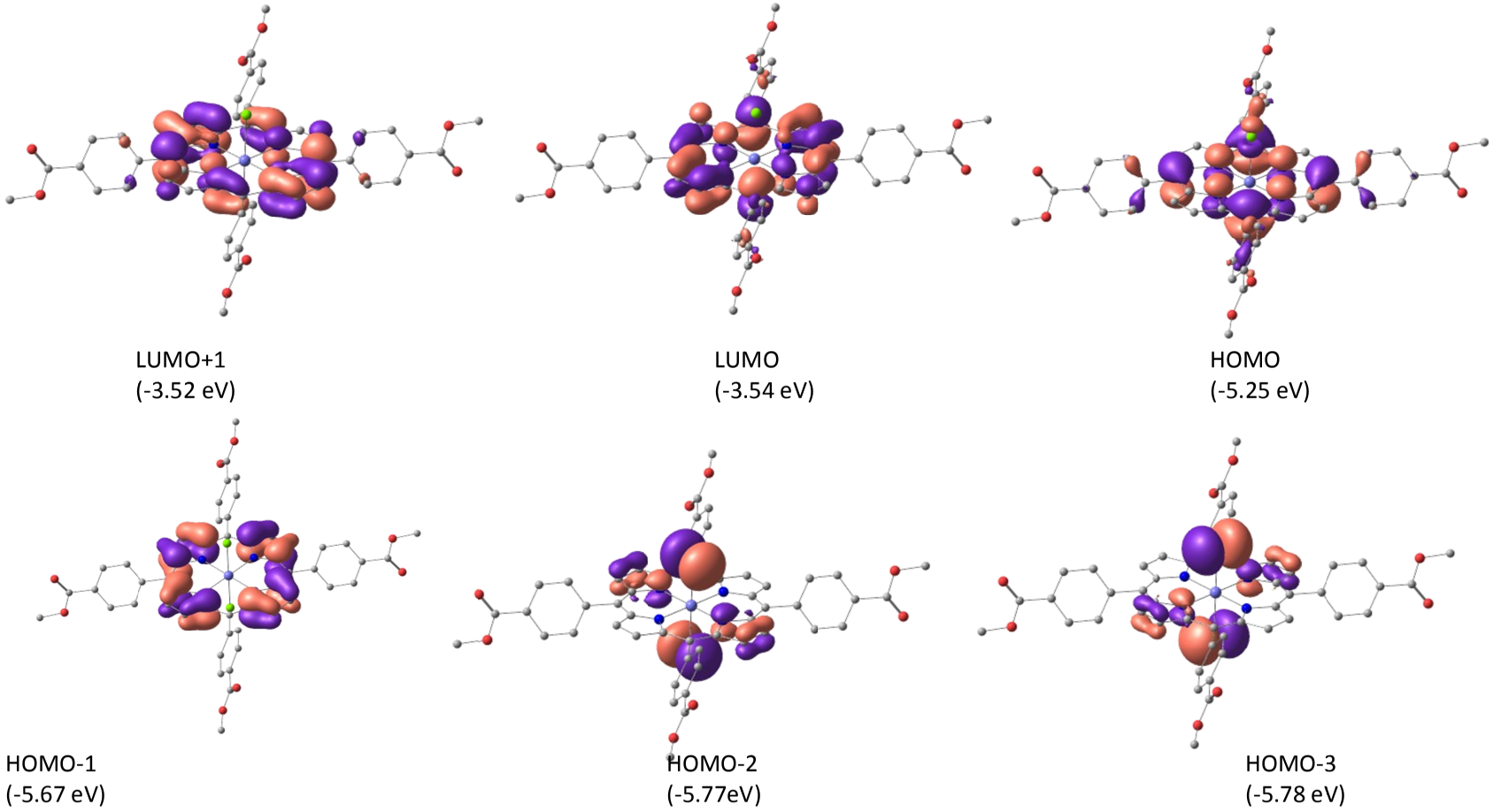

Fig. S9 Important molecular orbitals of $Sn^{IV}(Cl)_2T(4\text{-}CMP)P$ at the BP86/def2-SVP level of theory. Orbital energies (in eV) are given in parenthesis.

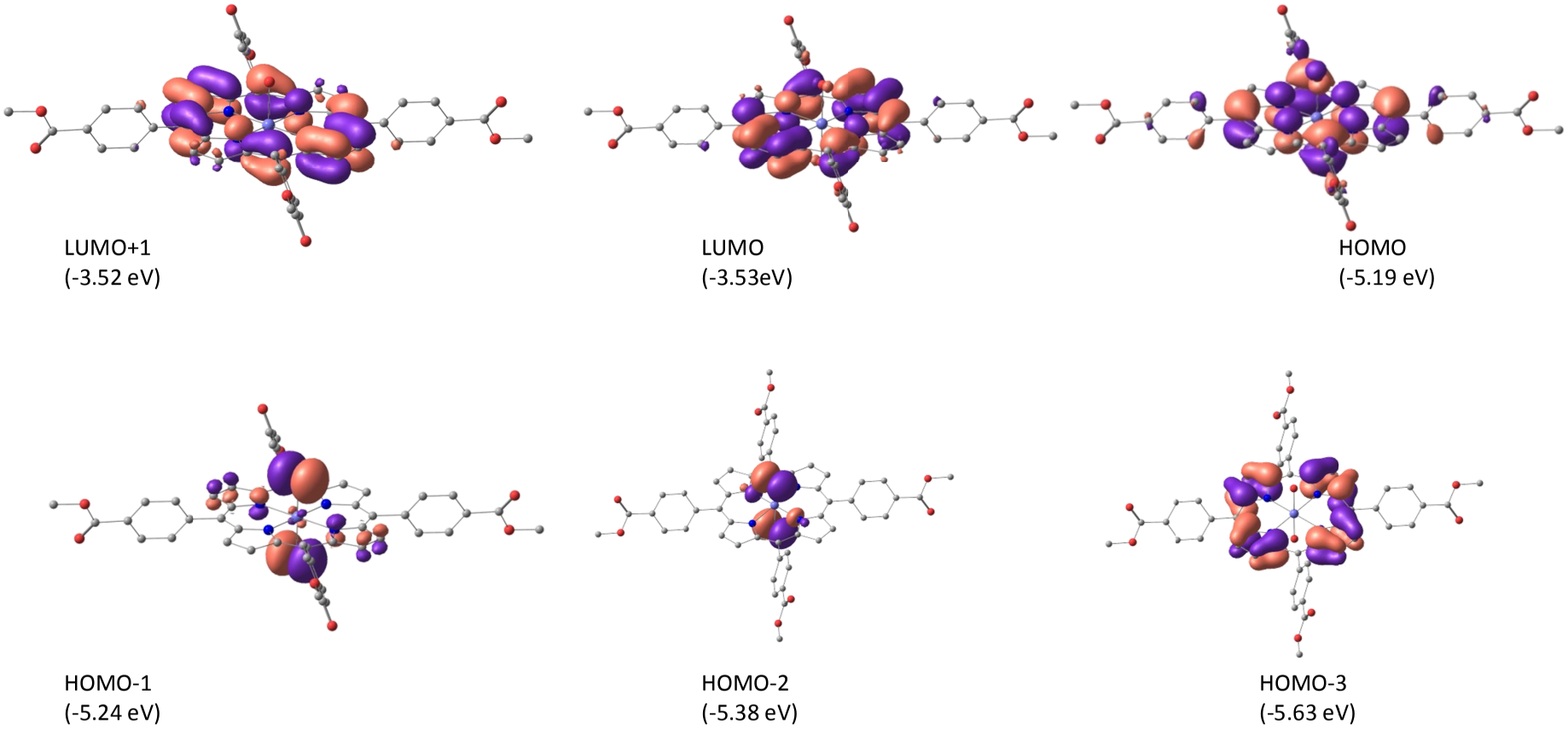

Fig. S10 Important molecular orbitals of **1** at the BP86/def2-SVP level of theory. Orbital energies (in eV) are given in parenthesis.

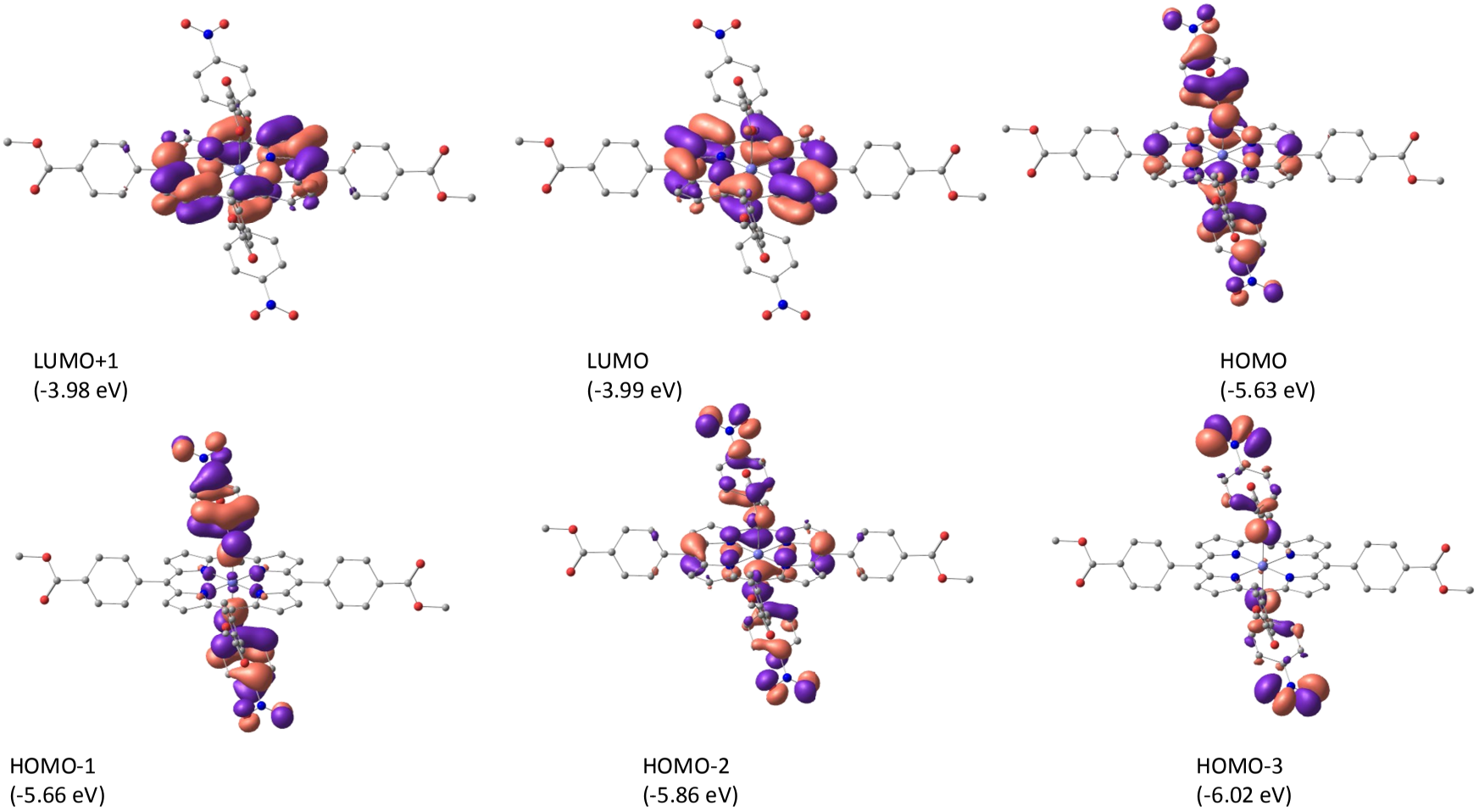

Fig. S11 Important molecular orbitals of **3** at the BP86/def2-SVP level of theory. Orbital energies (in eV) are given in parenthesis.