

Supporting Information

Triazole Salicylaldehyde-Derived Organosilane as ‘Turn-On’ Fluorescence and Colorimetric Sensor for Ce(III): Synthesis, Anticancer and Molecular Docking Studies

Gurjaspreet Singh^{a*}, Poonam^{a*}, Manraj Singh^a, Baljinder Singh Gill^b, Shipra Goyal^b, Aman Bhalla^{a*}.

^a *Department of Chemistry, Panjab University, Chandigarh, 160014, India.*

^bDepartment of Biochemistry, Central University of Punjab, Bathinda, Punjab-151401, India.

**Corresponding authors*

Email: gjpsingh@pu.ac.in, poonam17011994@gmail.com, amanbhalla@pu.ac.in

Table of Contents

Entry	Page no.
¹ H NMR spectrum of compound SS in CDCl ₃ recorded on 500 MHz instrument (Fig.S1)	3
¹³ C NMR spectrum of compound SS in CDCl ₃ recorded on 126 MHz instrument (Fig.S2)	3
Mass spectrum of compound SS (Fig.S3)	4
IR spectrum of compound SS (Fig.S4)	4
¹ H NMR spectrum of SS-Ce(III) Complex CDCl ₃ recorded on 500 MHz instrument (Fig.S5)	5
Mass spectrum of SS-Ce(III) Complex (Fig.S6)	6
IR spectrum of SS-Ce(III) Complex (Fig.S7)	6

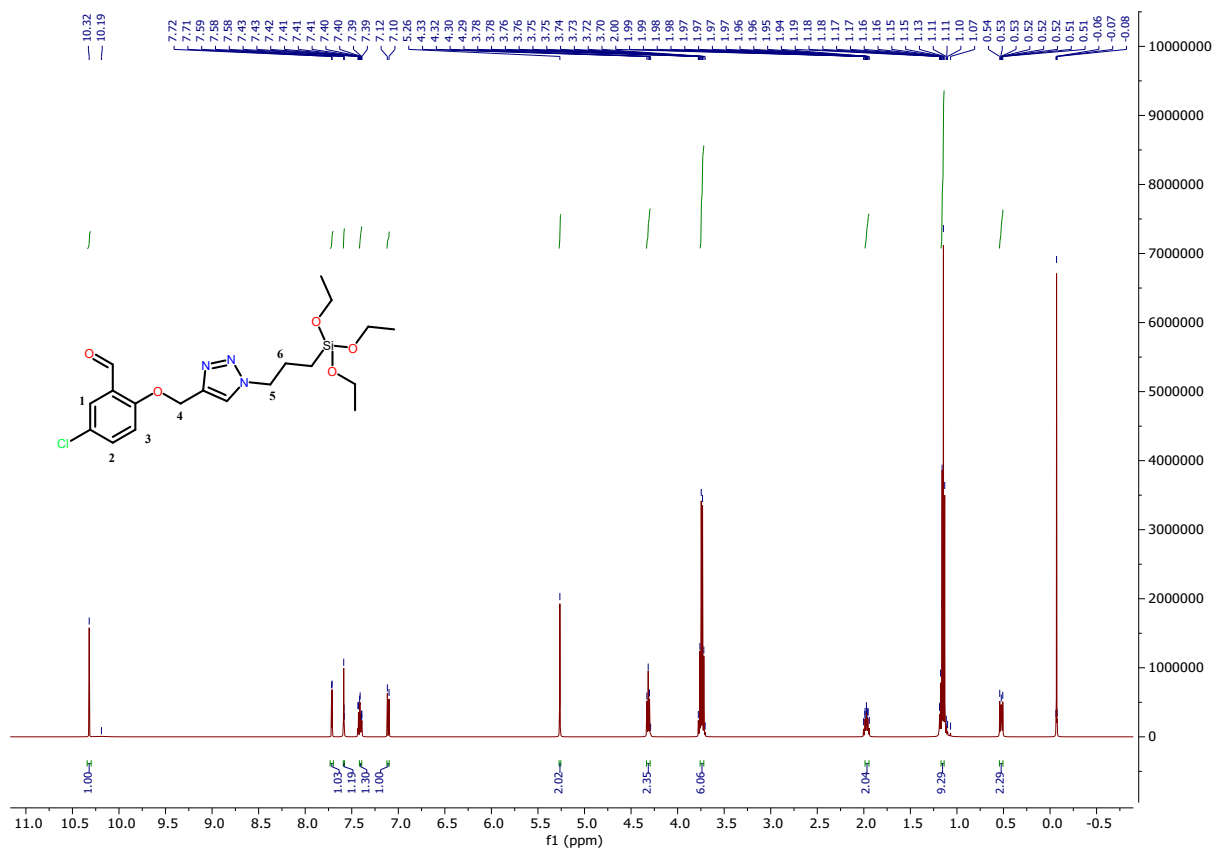


Fig.S1 ¹H NMR spectrum of compound SS in CDCl₃ recorded on 500 MHz instrument.

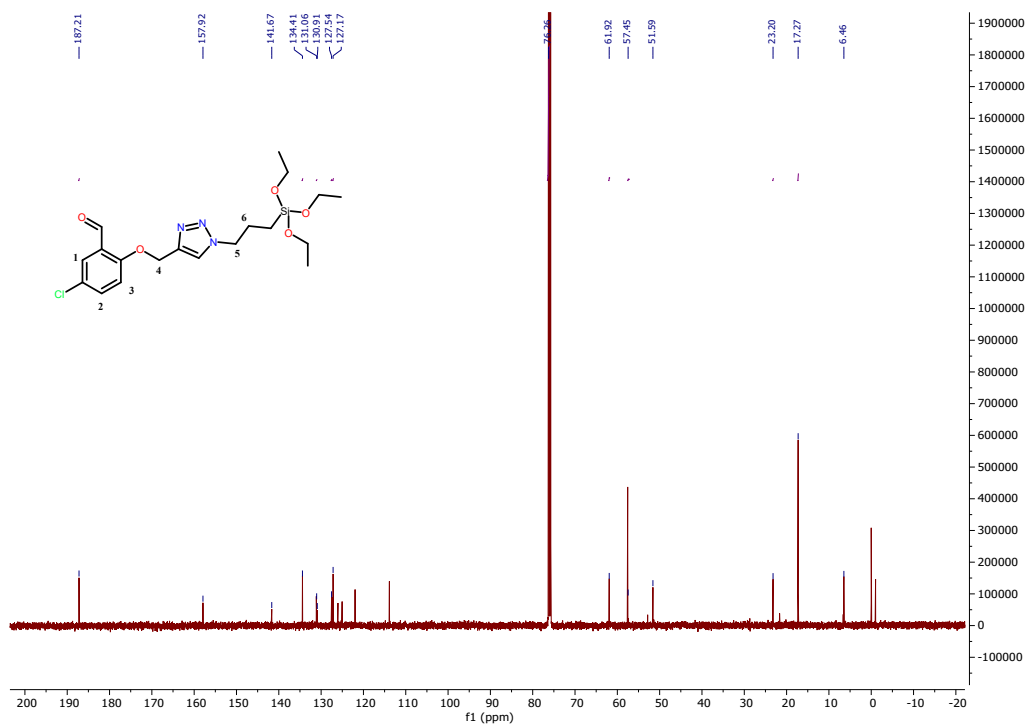


Fig.S2 ^{13}C NMR spectrum of compound SS in CDCl_3 recorded on 126 MHz instrument

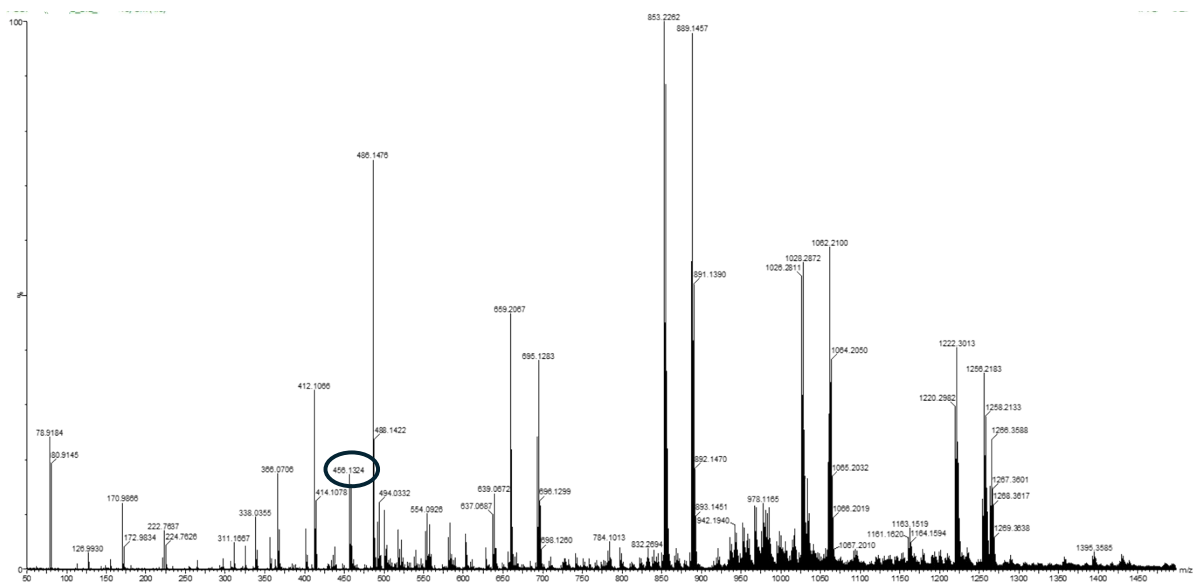


Fig.S3 Mass spectrum of compound SS

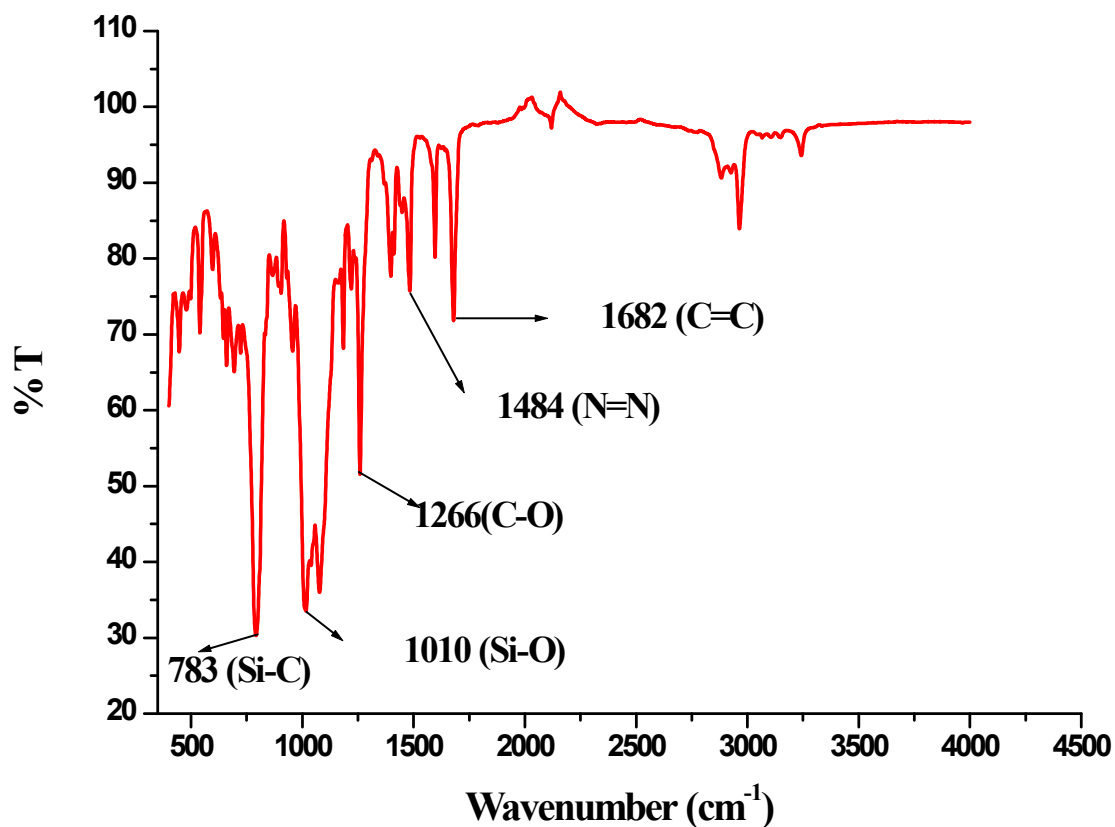


Fig.S4 IR spectrum of compound SS.

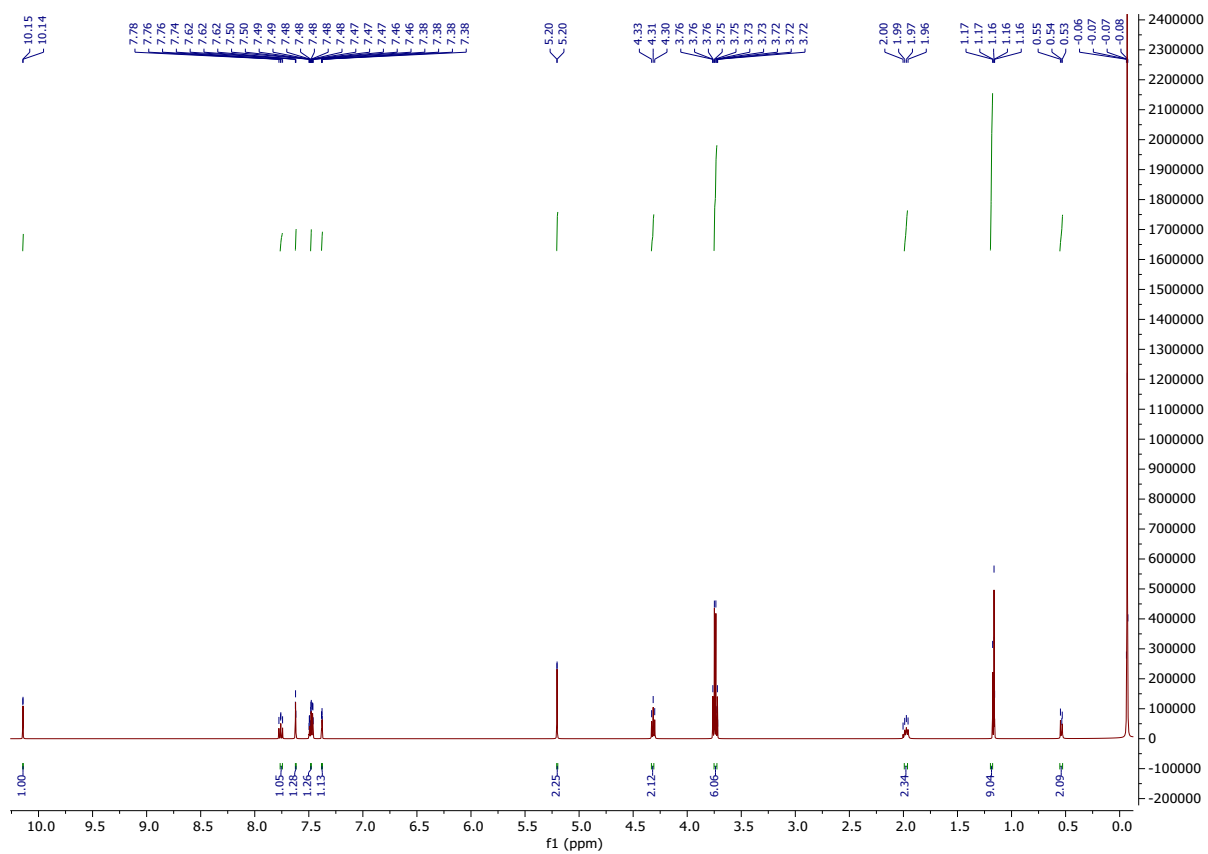


Fig.S5 ¹H NMR spectrum of SS-Ce(III) Complex CDCl₃ recorded on 500 MHz instrument

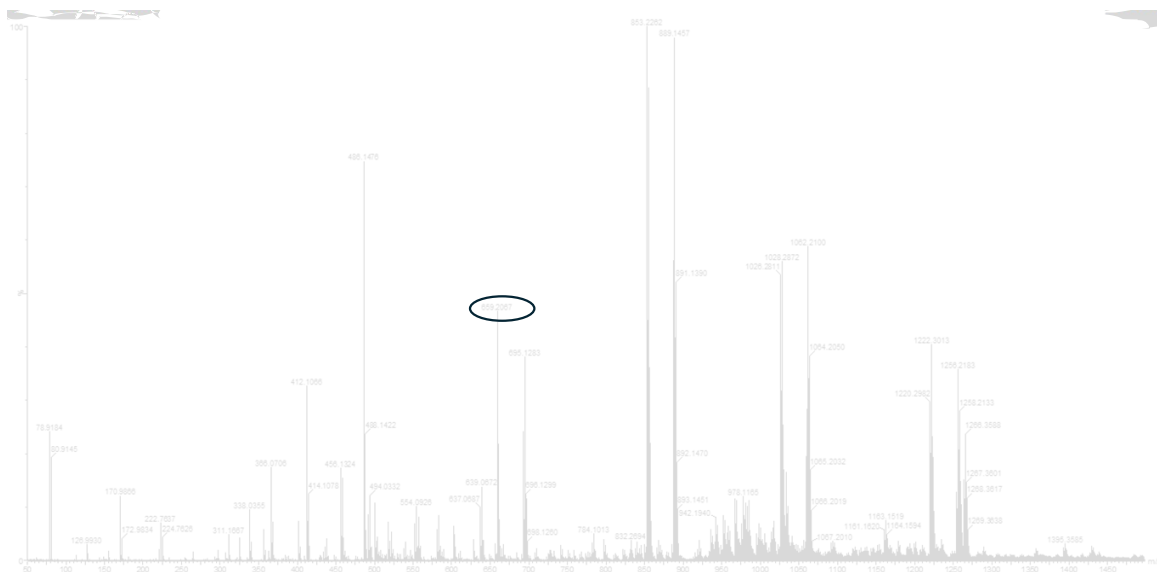


Fig.S6 Mass spectrum of SS-Ce(III) Complex

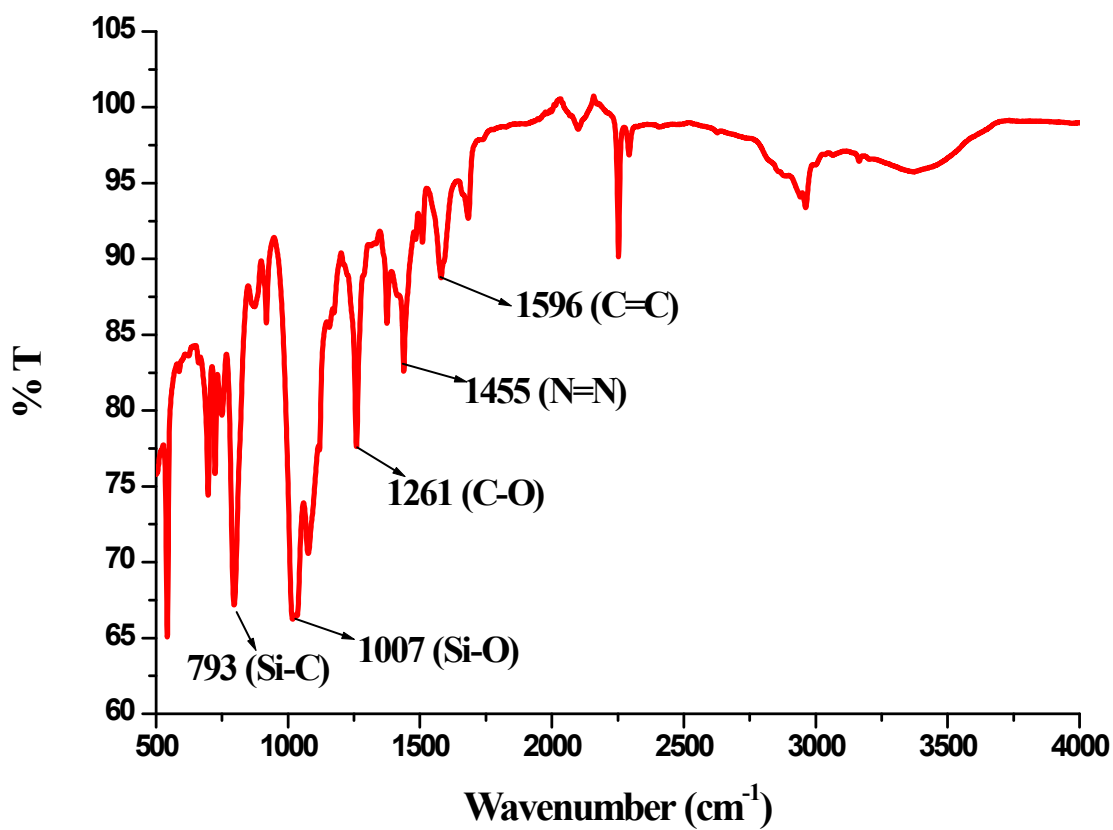


Fig.S7 IR spectrum of SS-Ce(III) Complex

