Electronic Supplementary Material (ESI) for Photochemical & Photobiological Sciences.

Organogel Composed of Trifluoromethyl Anthryl Cyanostyrenes: Enhanced Emission and Self-Assemblies

Jagadish Katla[†], Akshay JM Nair[†], Abhijeet Ojha[‡] and Sriram Kanvah*

*[†]Department of Chemistry, Indian Institute of Technology Gandhinagar, Palaj, Gandhinagar 382355

‡Department of Biological Engineering, Indian Institute of Technology Gandhinagar Palaj Gandhinagar 382355

*e-mail:kanvah@gatech.edu

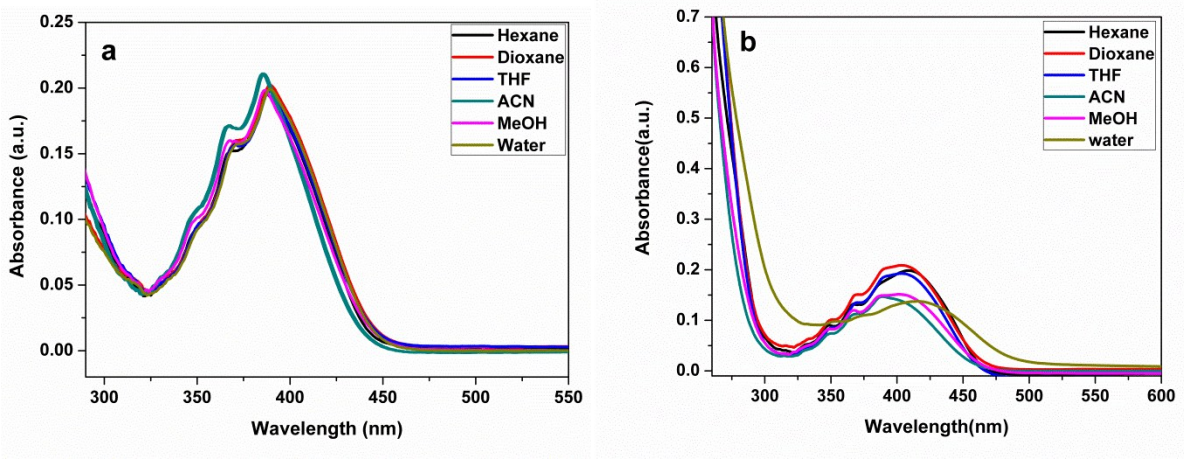

Fig. S1 Absorption spectra of a) **1** & b) **3** in different organic solvents

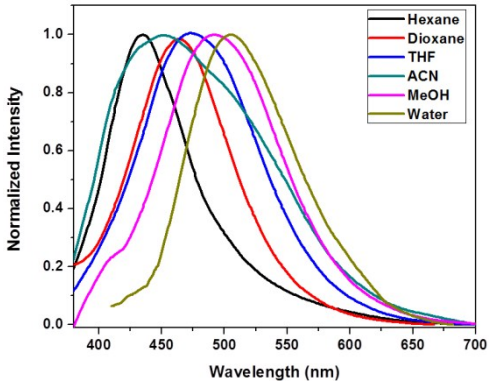

Fig. S2 Emission spectra of (**1**) in different organic solvents

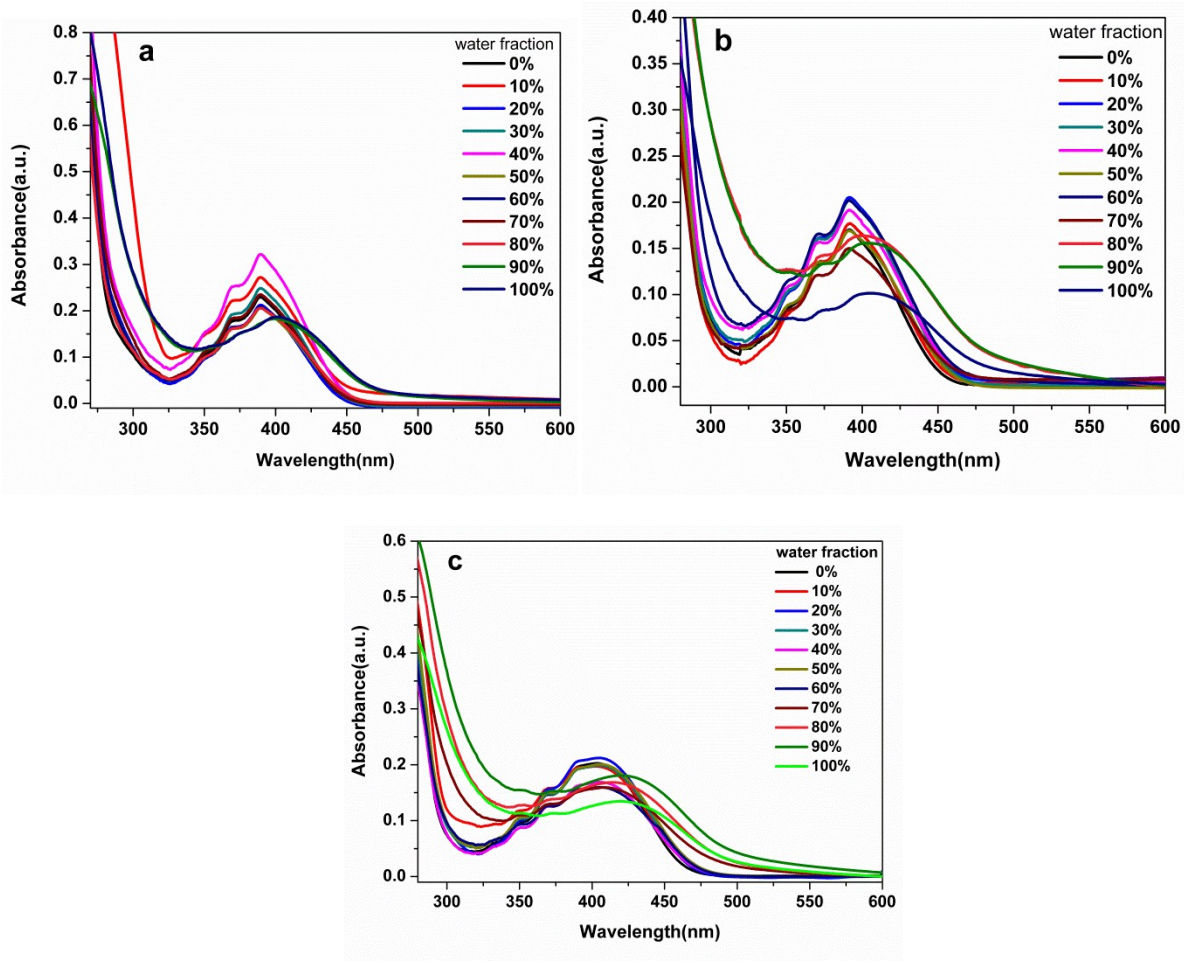

Fig. S3 Absorption spectra of compounds from a) (**1**), b) (**2**) & c) (**3**) in dioxane- water mixture

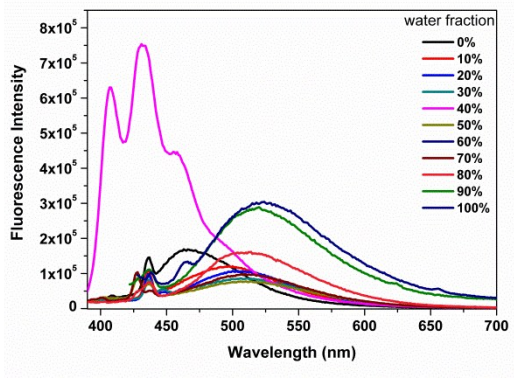

Fig. S4 Emission spectra of compounds from (**1**) in dioxane- water mixture

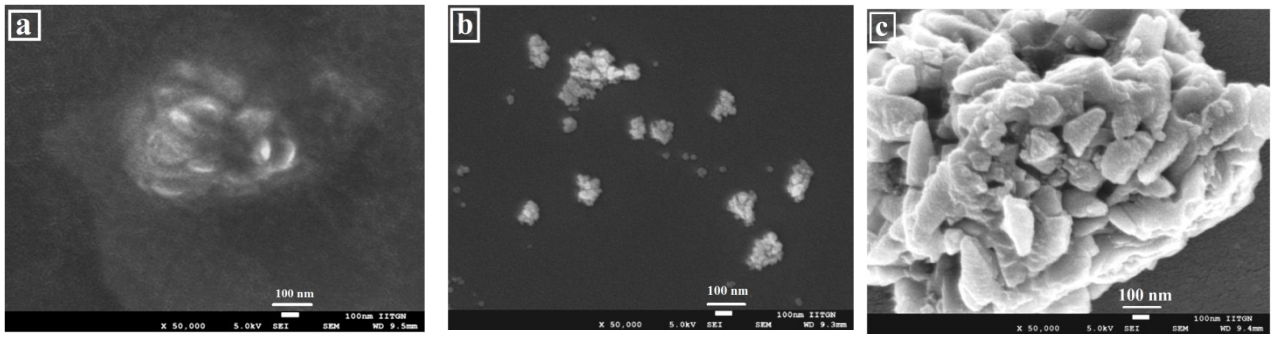

Fig. S5 SEM images of compound (**1**) in (a) 100% dioxane (scale: 100 nm), (b) 40% water (scale: 100 nm) and in (c) 100% water (scale: 100 nm)

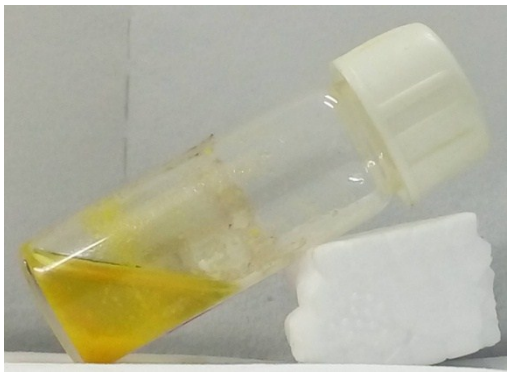

Fig. S6 Gel formation was not observed for compound (**1**) through heating and cooling in *t*-butanol

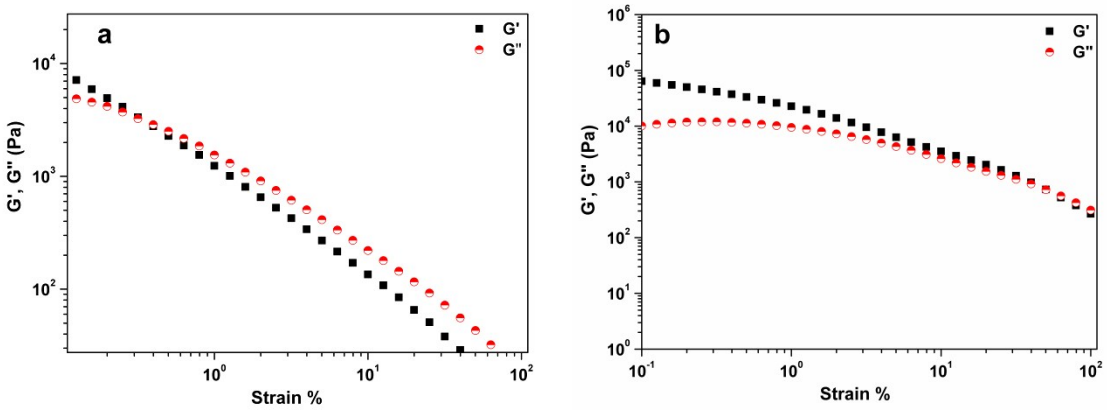

Fig. S7 Amplitude sweep measurement of gels formed in *t*-butanol; a) **2** and b) **3**

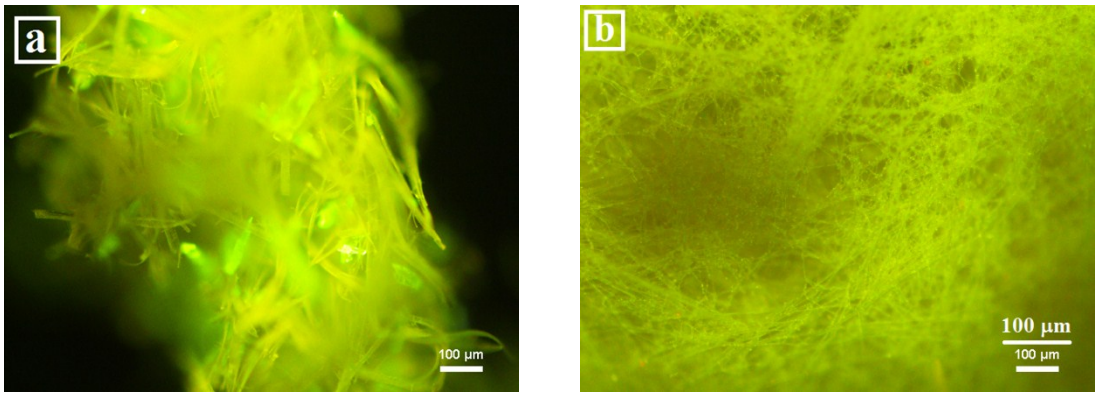

Fig. S8 Fluorescent microscopy images of the gels (**2**) and (**3**) obtained from *t*-butanol at excitation λabs = 402 nm (scale: 100µm).

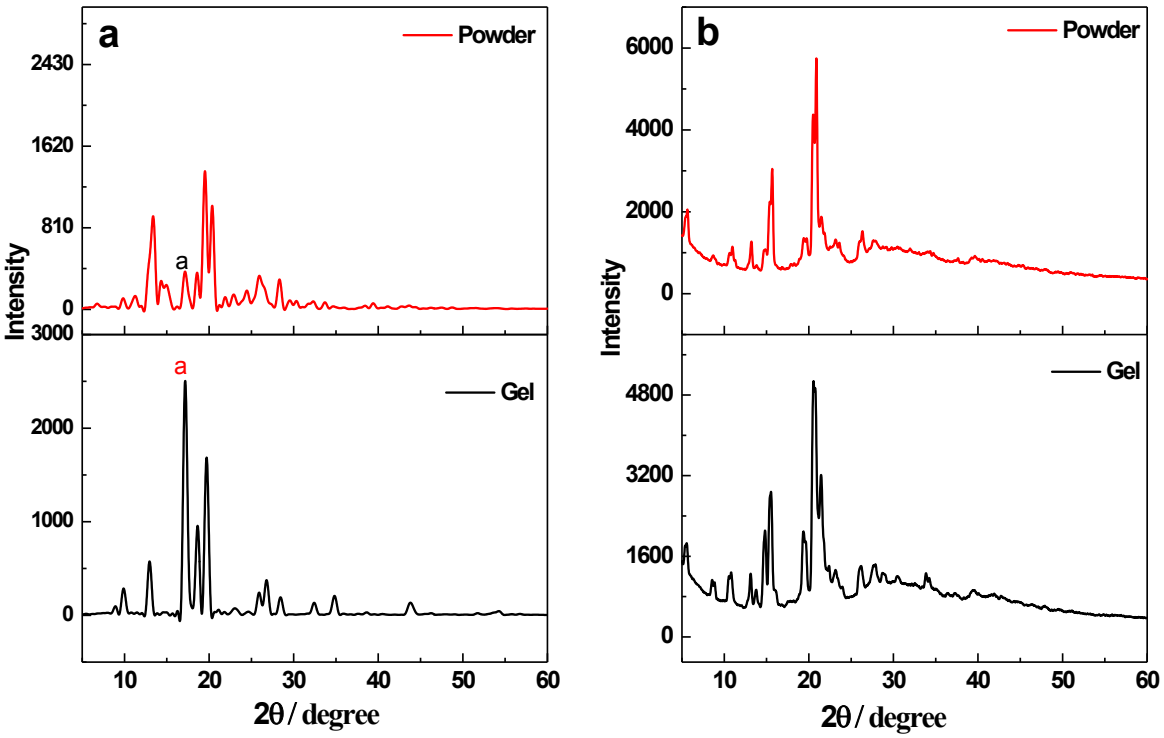

Fig. S9 Powder XRD pattern of gels formed in *t*-butanol a) **2** & b) **3**.

(NMR Spectral data)

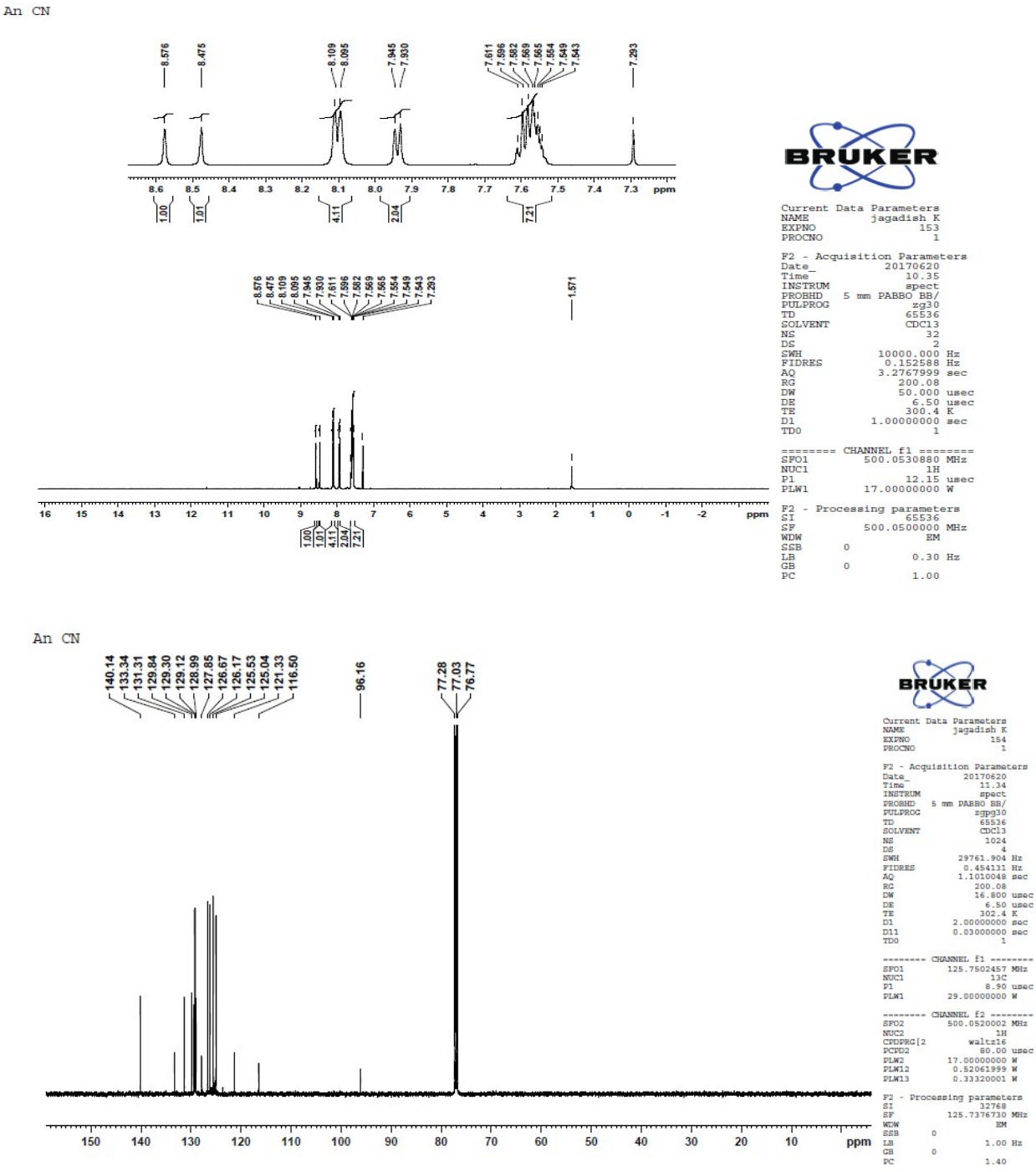

Fig. S10 ^{1}H NMR and ^{13}C NMR of compound (**1**)

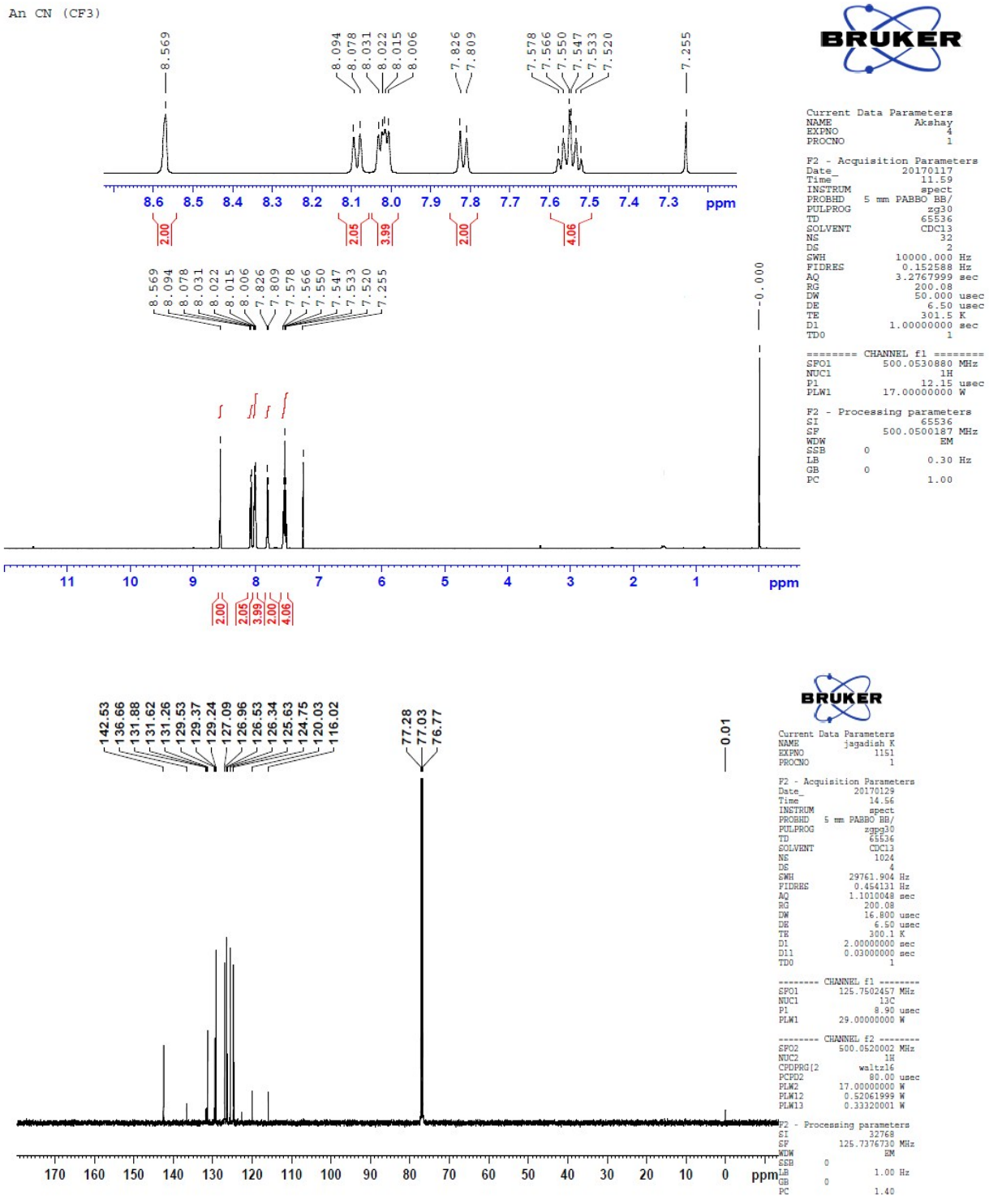

Fig. S11 ^{1}H NMR and ^{13}C NMR of compound (**2**)

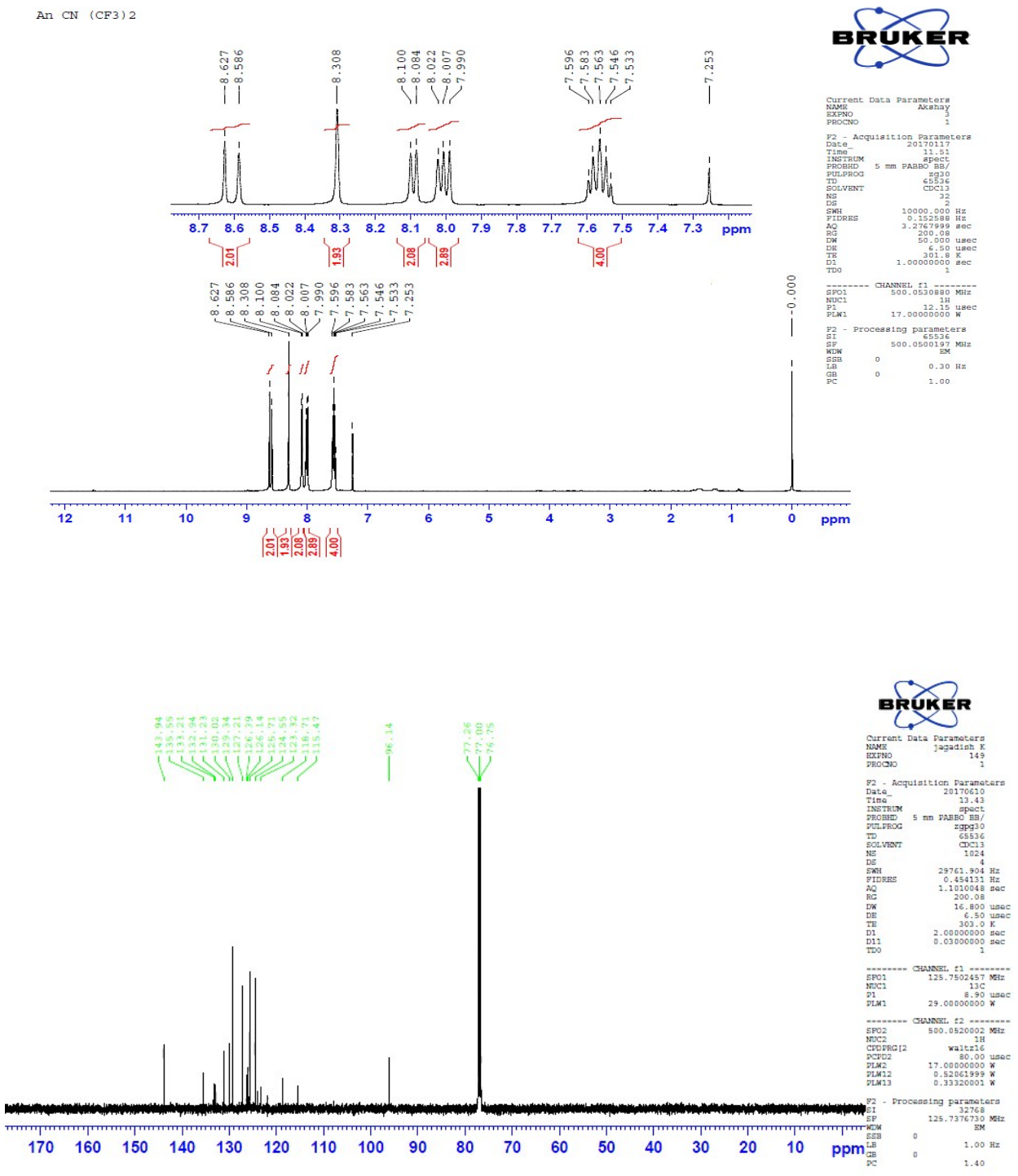

Fig. S12 ^{1}H NMR and ^{13}C NMR of compound (**3**)