Electronic Supplementary Material (ESI) for New Journal of Chemistry.

Supporting Information of
Fluorescent carbon dots derived from vancomycin for flutamide drug delivery and cell imaging† ☆

Stephanie L. D'souza[a], Balaji Deshmukh[b], Karuna A. Rawat[a], Nibedita Lenka[b], Suresh Kumar Kailasa[a*],

[a]Department of Chemistry, S. V. National Institute of Technology, Surat – 395007, Gujarat, India.
[b]National Center for Cell Science, NCCS Complex, Pune University Campus, Pune- 411 007, Maharastra, India.
[*]Corresponding author, Phone: +91-261-2201730; Fax: +91-261-2227334
E-mail: sureshkumarchem@gmail.com; skk@ashd.svnit.ac.in

†This work is dedicated to Ms. Stephanie L. D'souza, who was listed as a First co-author, a DST-Inspire Ph.D student in the Department of Applied Chemistry, SVNIT from 2012 to 2015, passed away on 3rd May 2015 in Ahmedabad, due to heart stroke.

☆This work was orally presented at IV-International Conference on Analytical Proteomics, 7th – 9th September, 2015, Lisbon, Portugal.

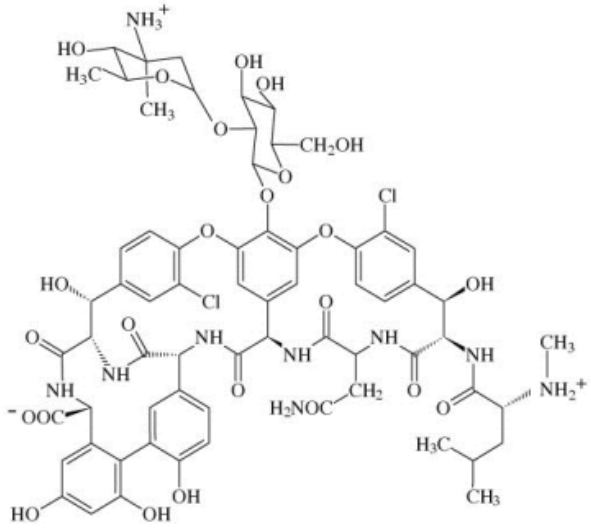

Figure S1. Structure of vancomycin.

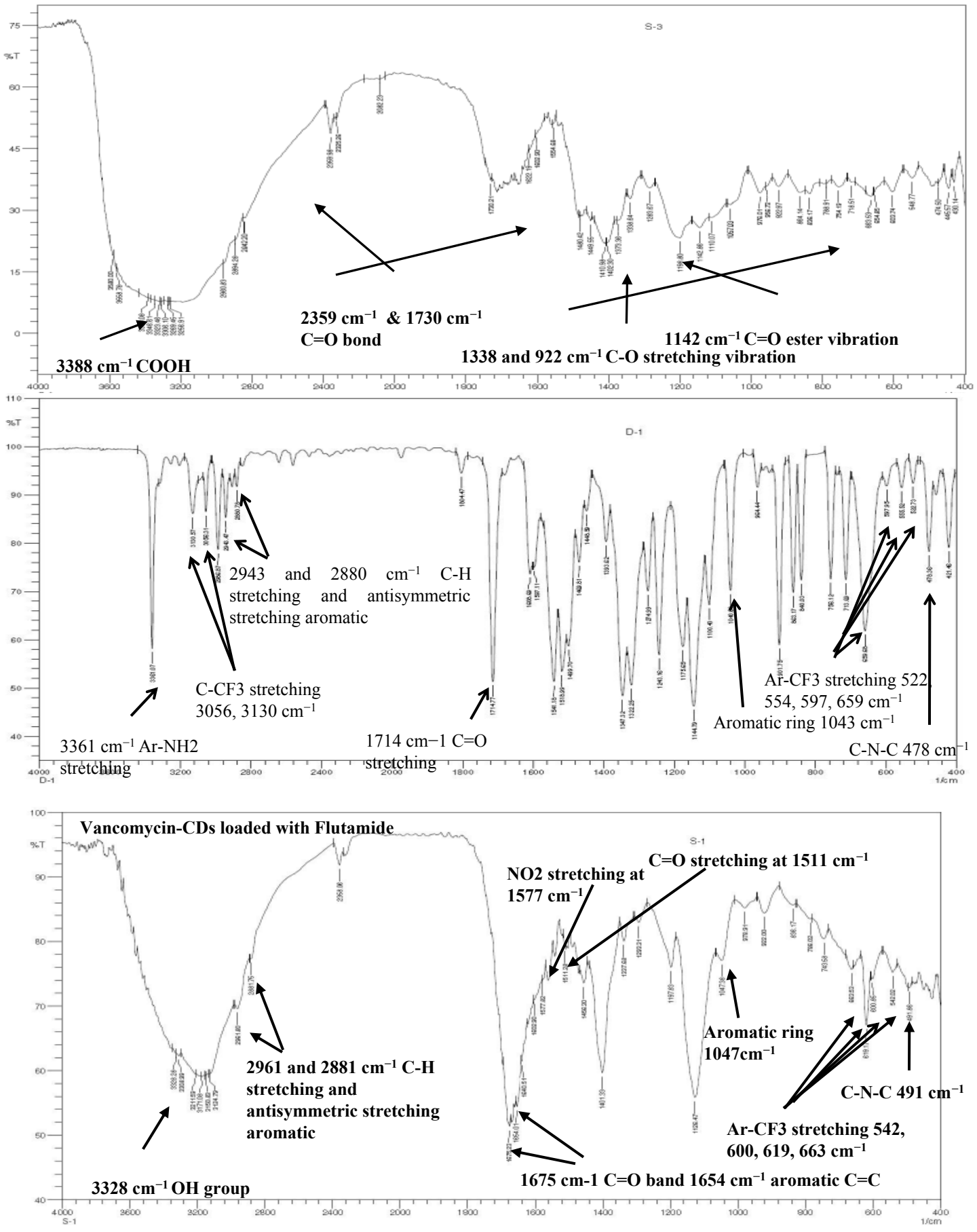

Figure S2. FT-IR spectra of (a) blank CDs, (b) free FLU and (c) FLU-loaded CDs.

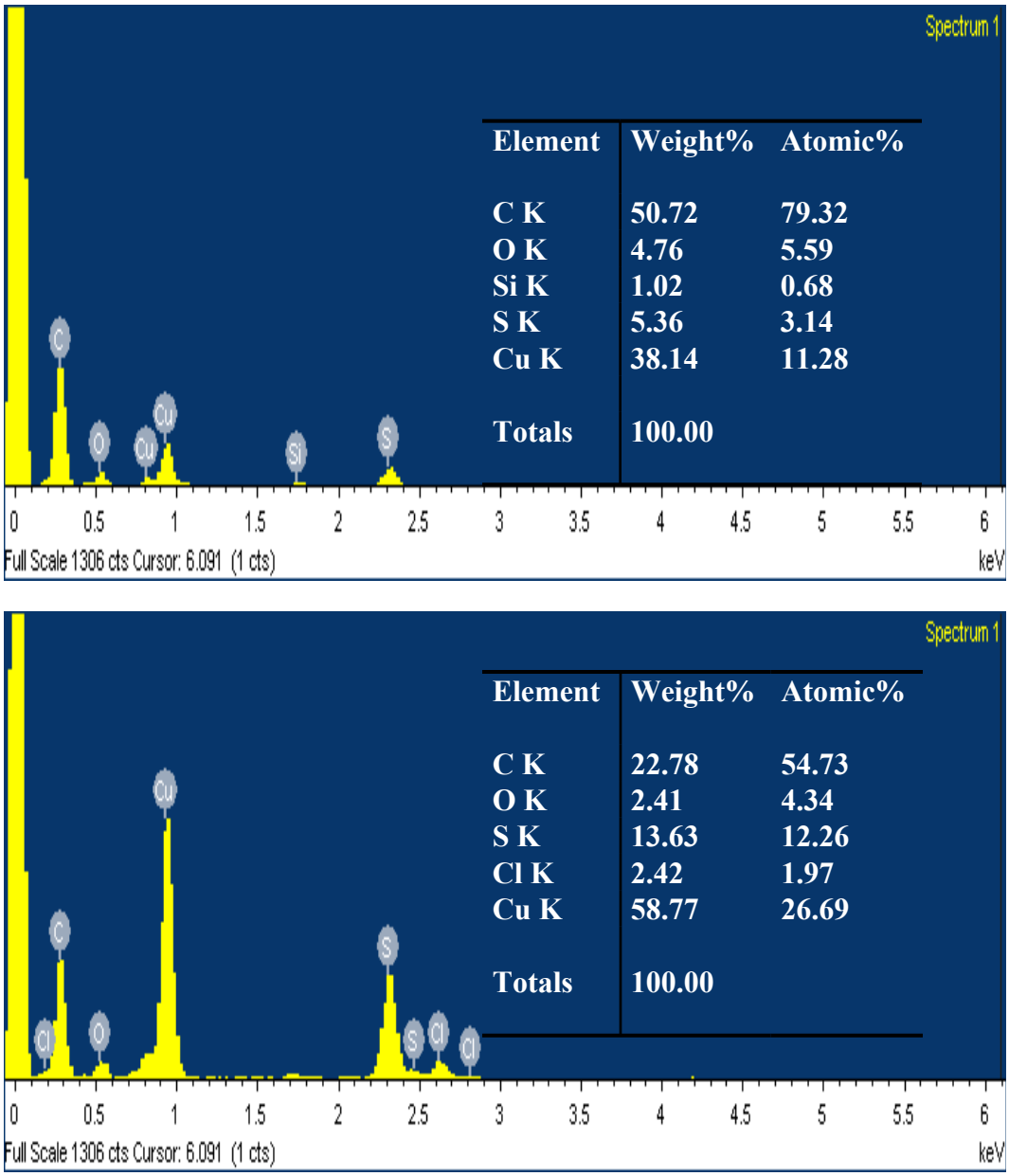

Figure S3. EDX spectra of (a) blank CDs and (b) FLU-loaded CDs.

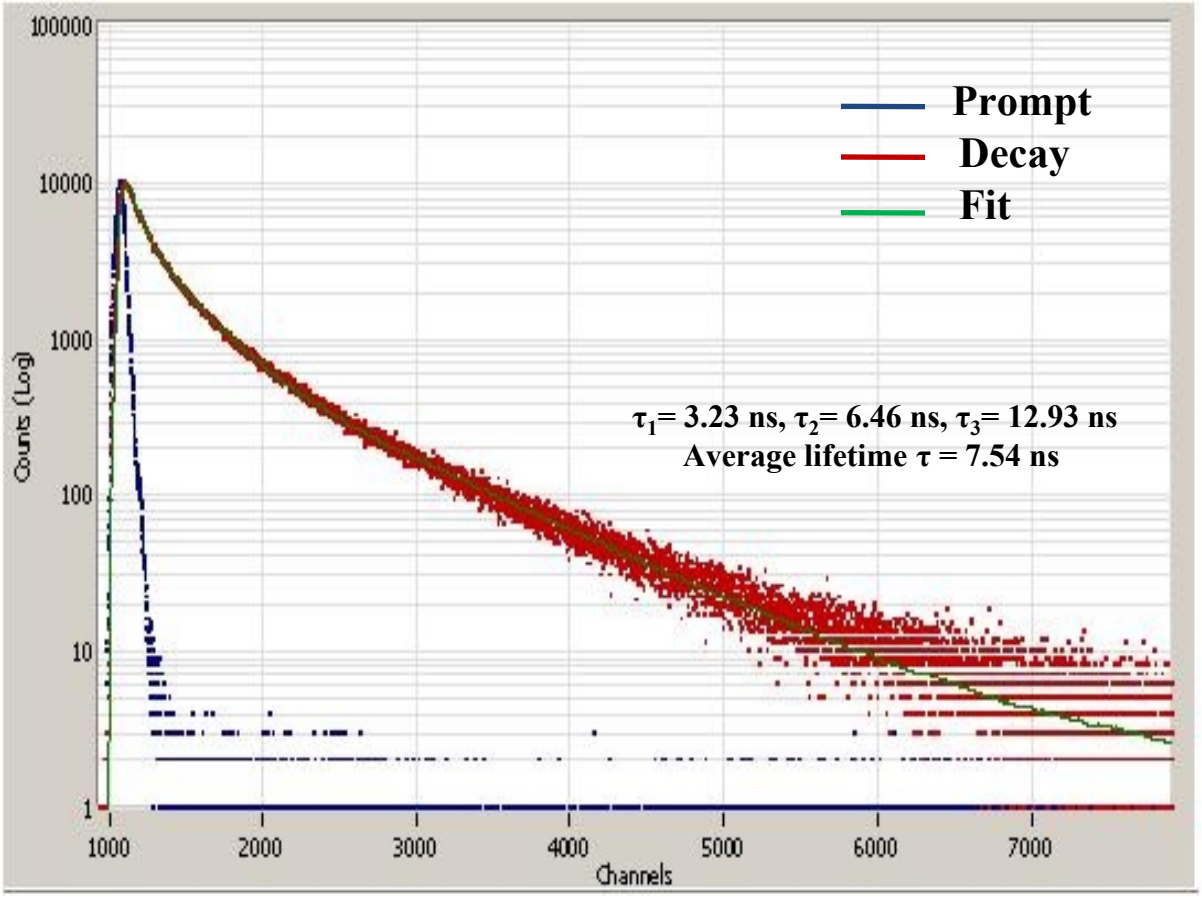

Figure S4. The fluorescence decay (life time) curve of the CDs solution derived from vancomycin as a precursor upon excitation at 338 nm.