

Supplementary Information

Synthesis, design, and examination of the cytotoxic effects and nuclear condensation properties of novel angrographolide-vanillin-1,2,3-triazoles

Shaik Sonia Nazmi^{b#}, A Niranjana Kumar^{a#}, Vaishnavi Bharat^c, J Kotesk Kumar^{a*}, K V N S Srinivas^a, Ira Bhatnagar^c, Balakishan Bhukya^d & M Sandhya Rani^b

^a Phytochemistry Division, CSIR-Central Institute of Medicinal and Aromatic Plants Research Centre, Boduppal, Hyderabad 500 092, Telangana, India

^b Centre for Pharmaceutical Sciences, JNTU College of Engineering Science and Technology, Jawaharlal Nehru Technological University, Hyderabad 500 085, Telangana, India

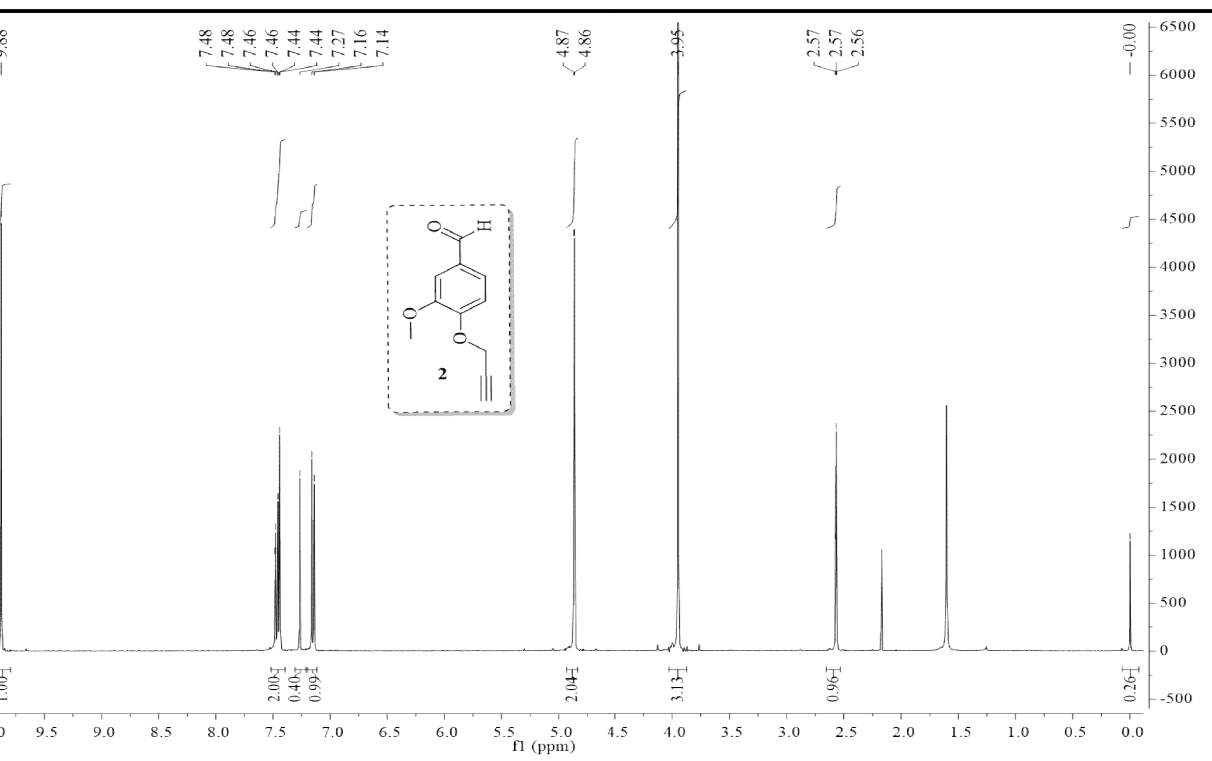
^c Clinical Research Facility, CSIR-Centre for Cellular Molecular Biology, Annex-II, Uppal Road, Habsiguda, Hyderabad 500 007, Telangana, India

^d Phytochemistry, CSIR-CIMAP, Kukrail Picnic Spot Road, Lucknow 226 015, Uttar Pradesh, India
E-mail: koteskumarj@cimap.res.in, kvn.satyasrinivas@cimap.res.in

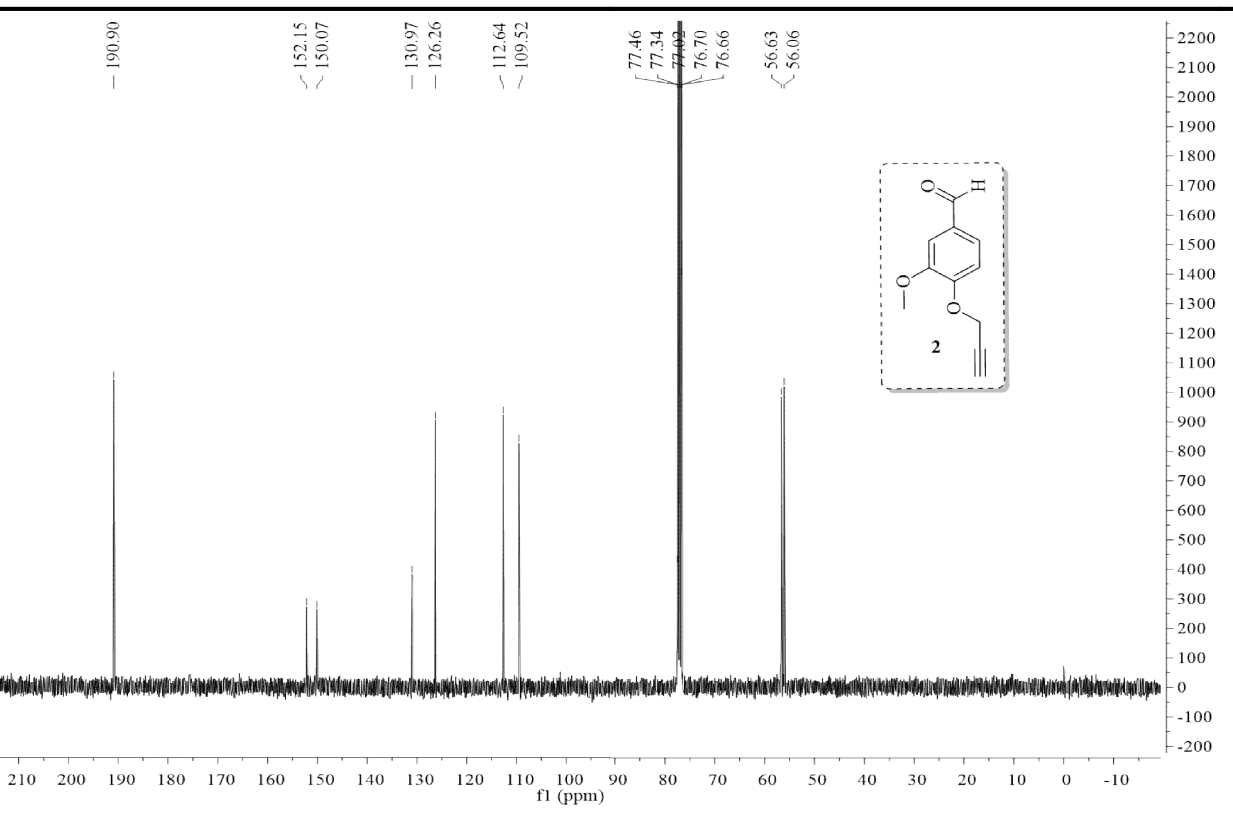
Received 7 June 2024; accepted (revised) 20 September 2024

¹H, ¹³C NMR, MASS AND IR SPECTRAS OF SYNTHESIZED DERIVATIVES

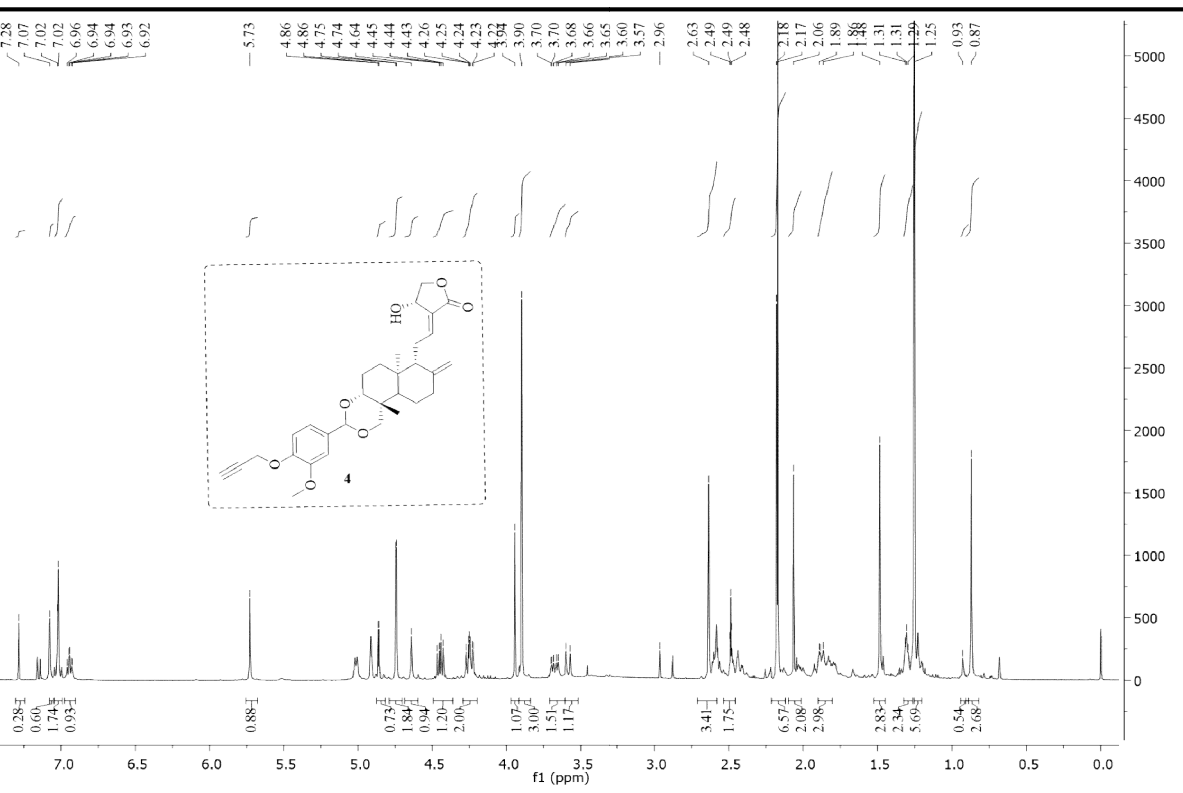
¹H NMR Spectra of 2



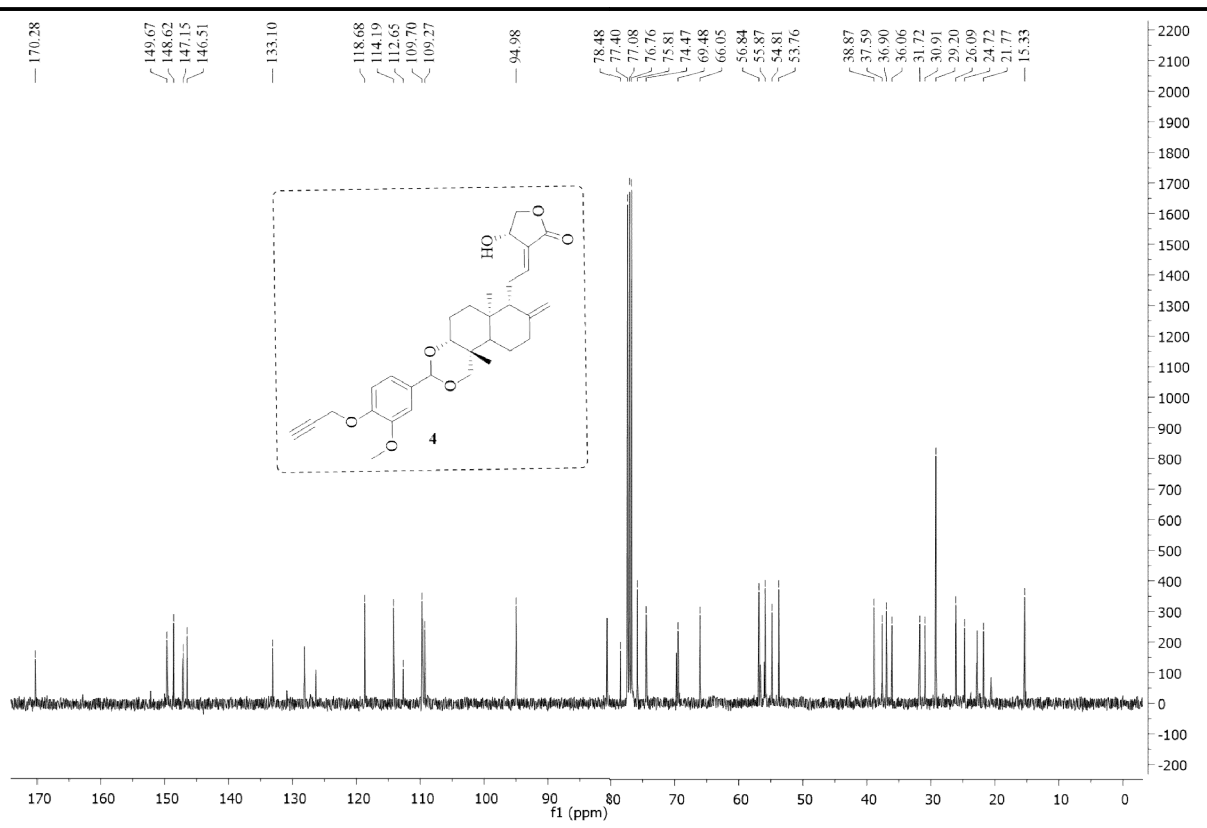
¹³C NMR Spectra of 2



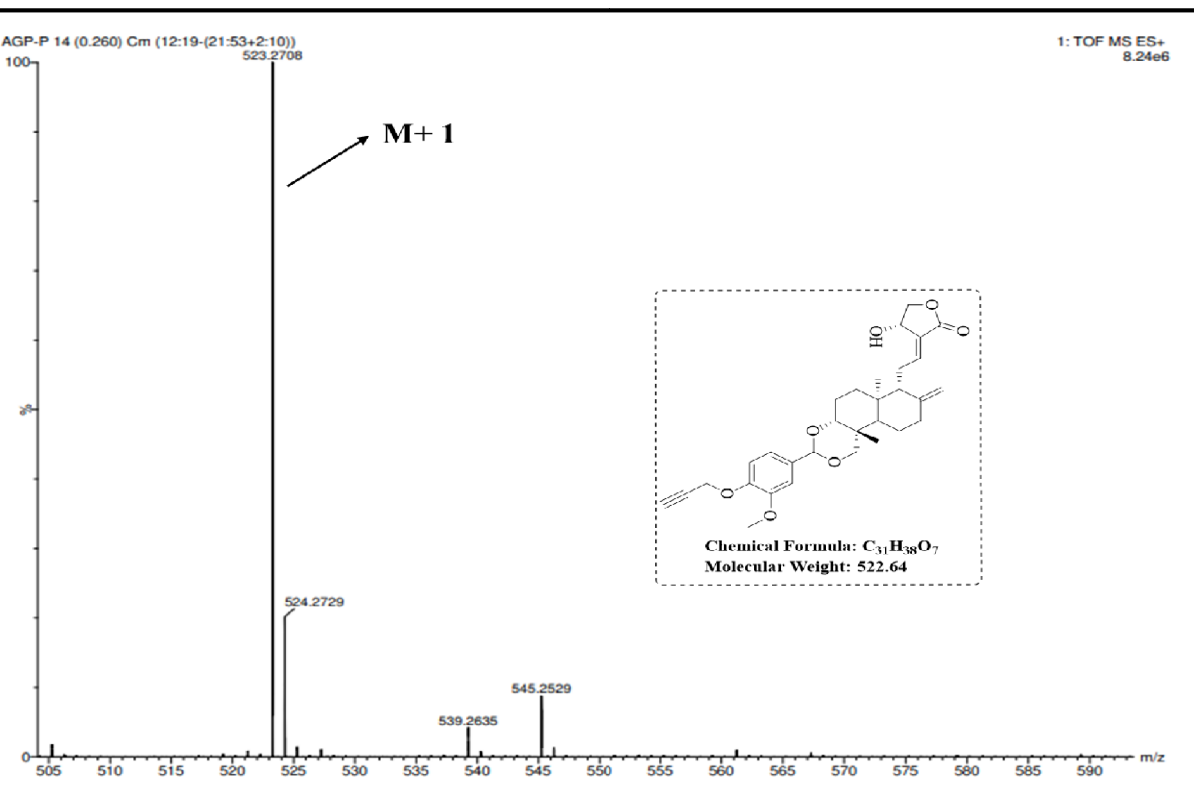
¹³C NMR Spectra of 4



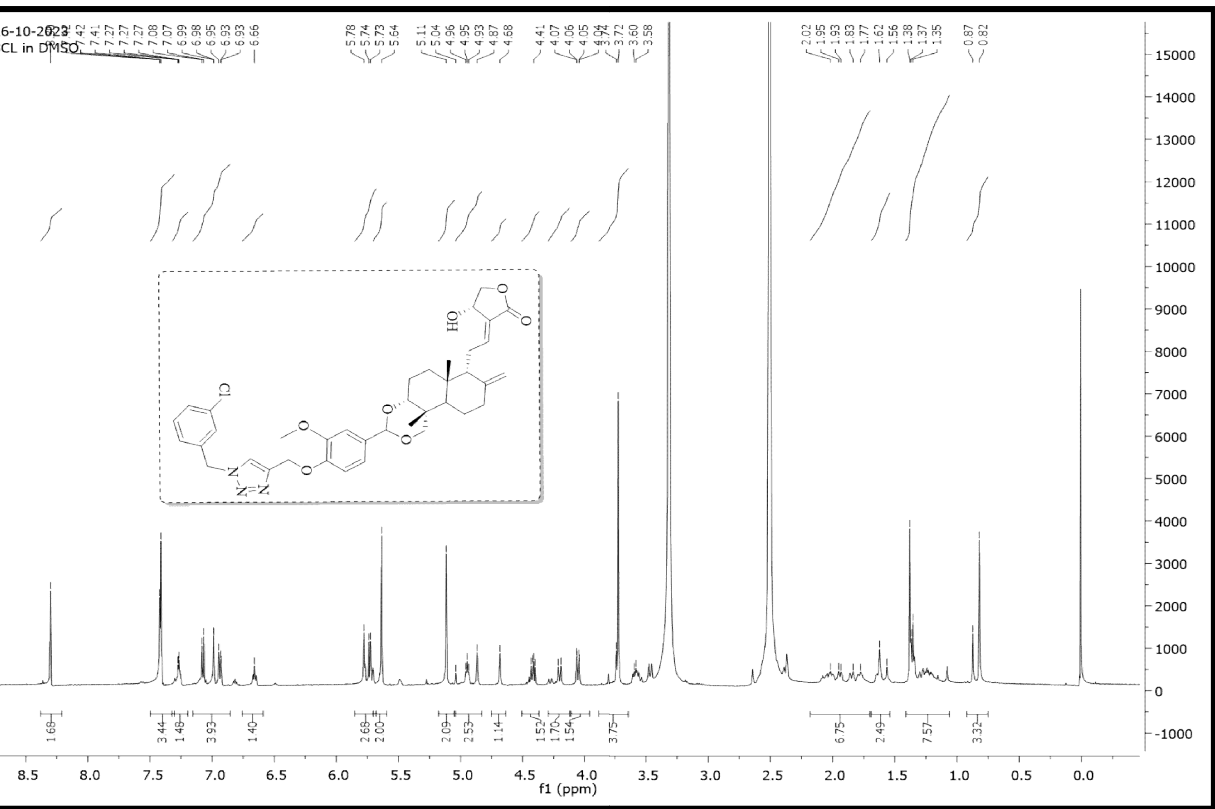
¹³C NMR Spectra of 4



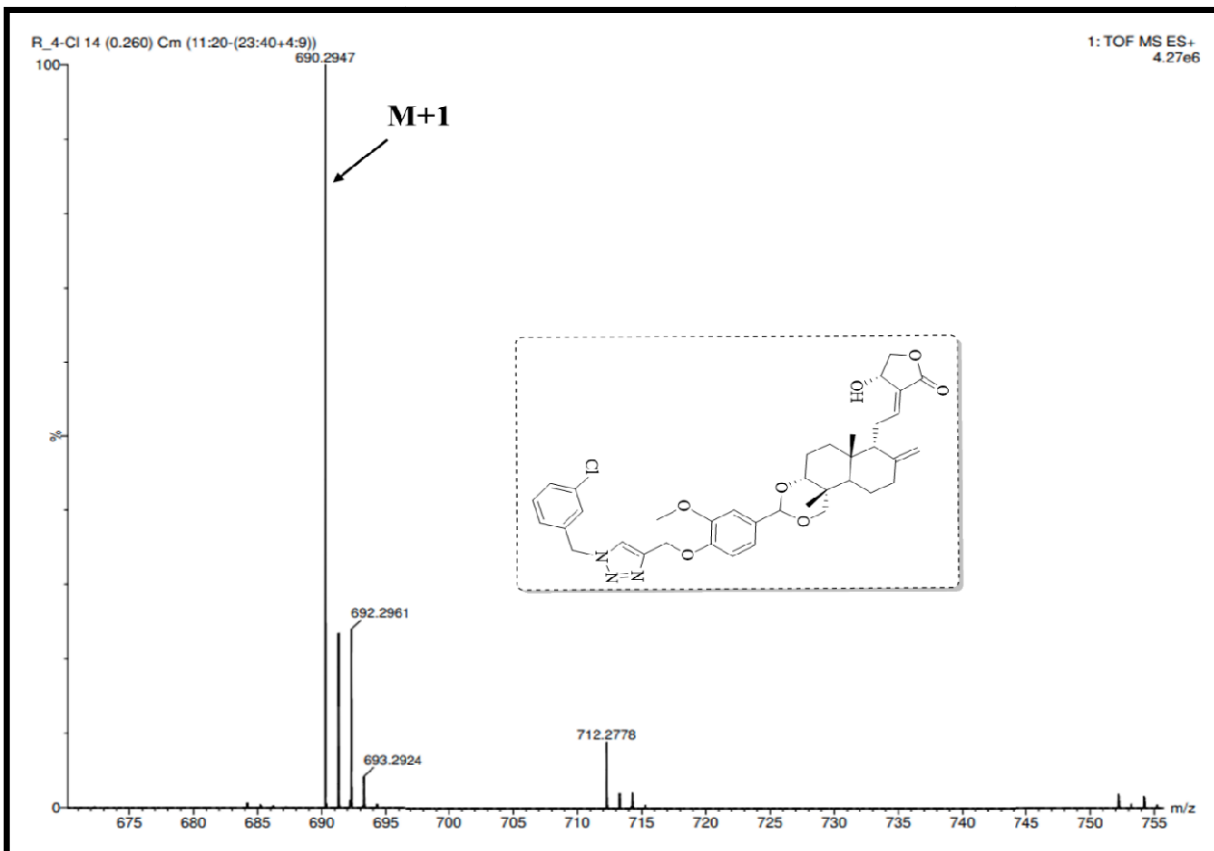
HR-MS Spectra of 4



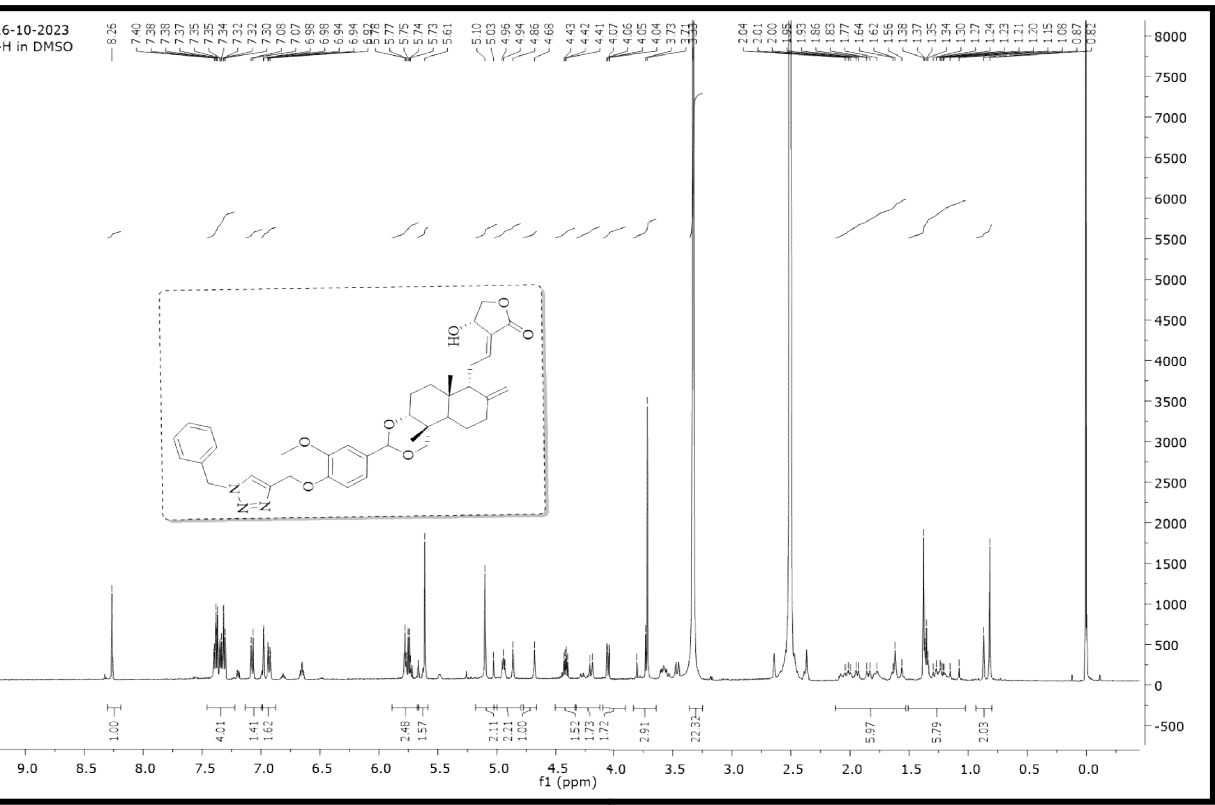
^1H NMR Spectra of 7a



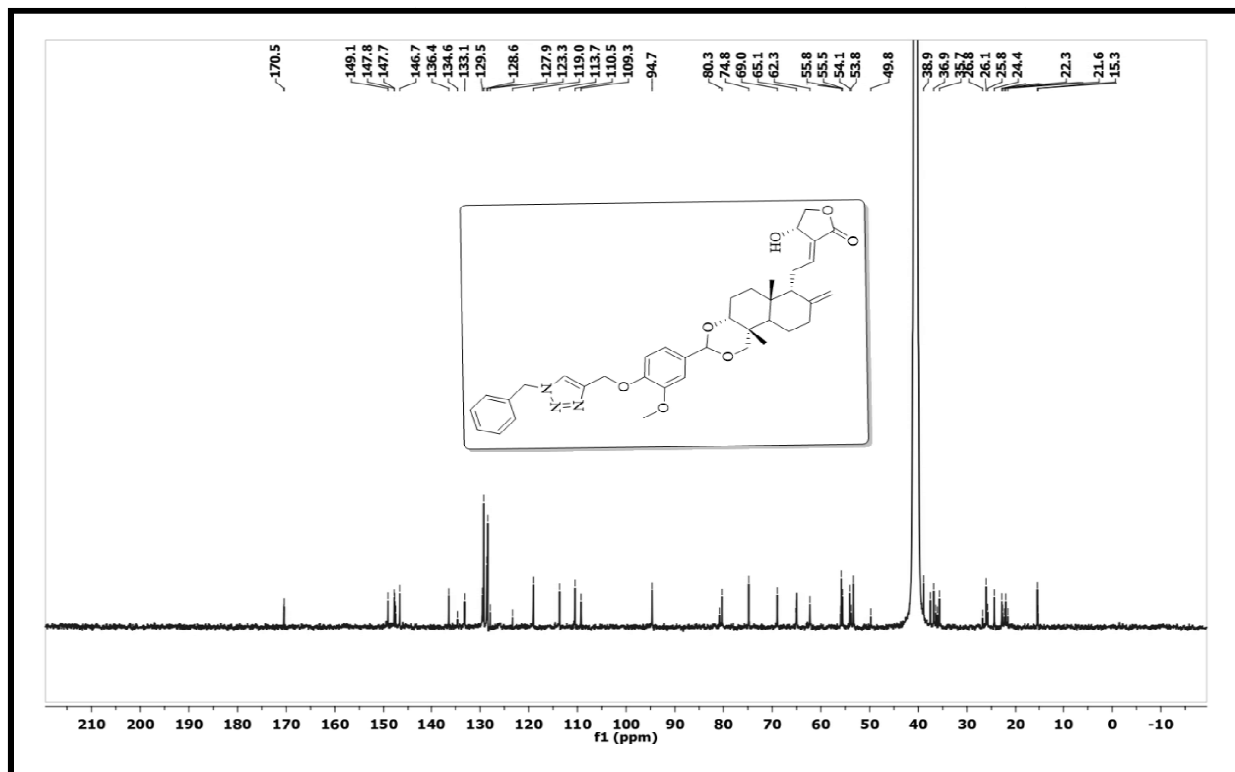
HR-MS Spectra of 7a



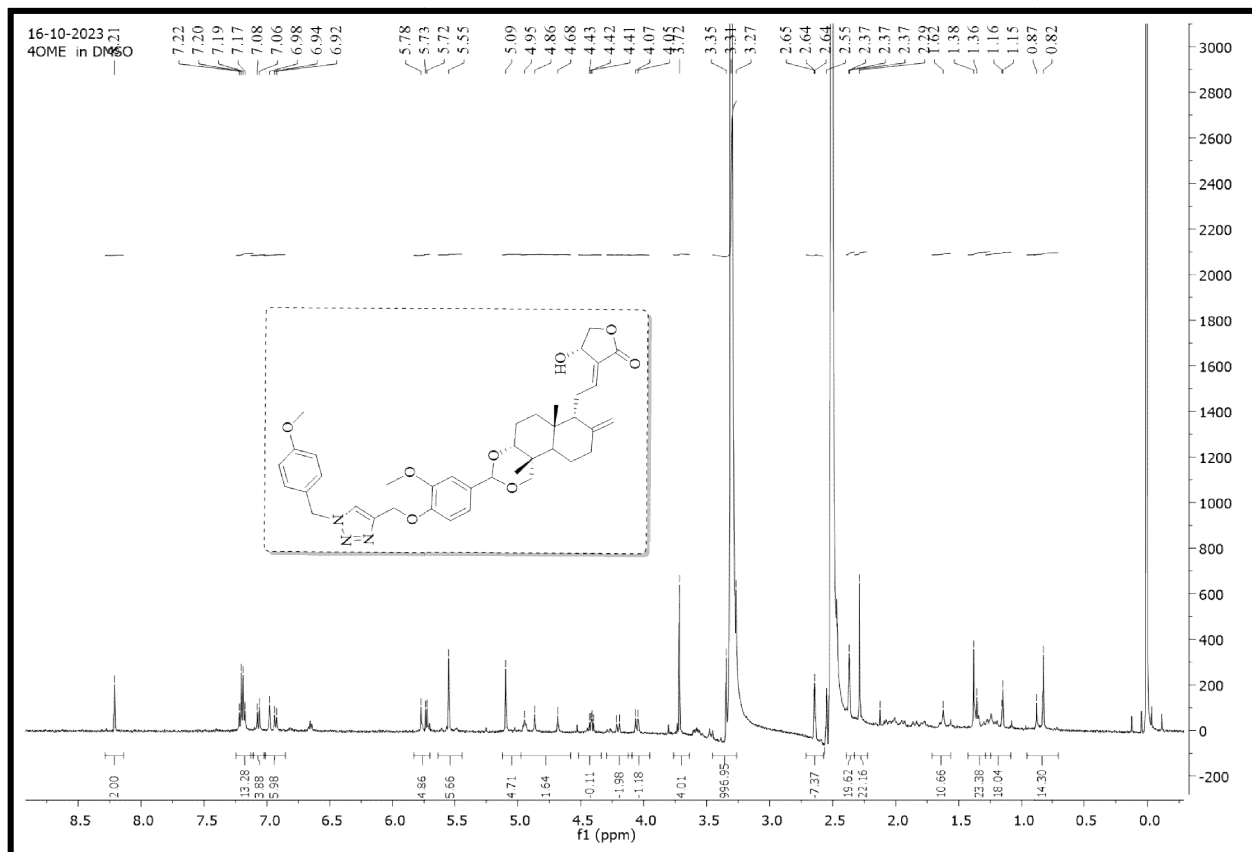
¹H NMR Spectra of 7b



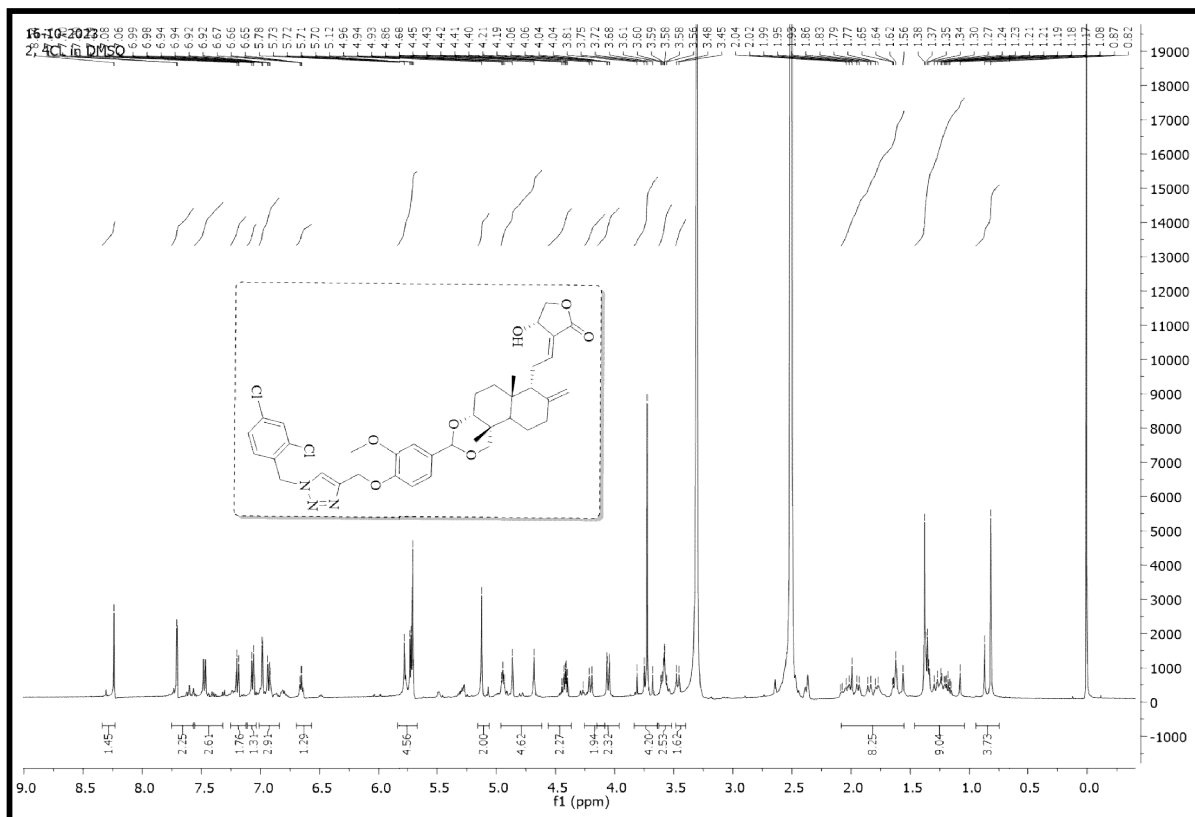
¹³C NMR Spectra of 7b



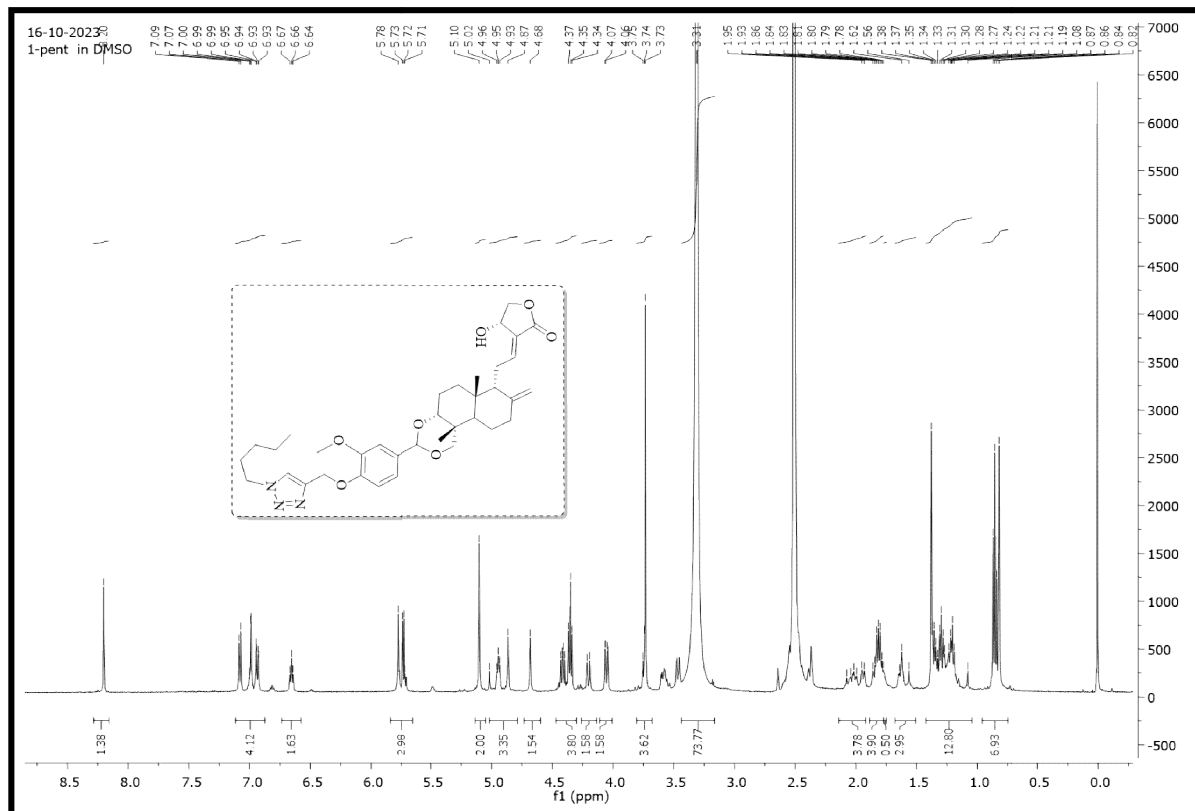
^1H NMR Spectra of 7c



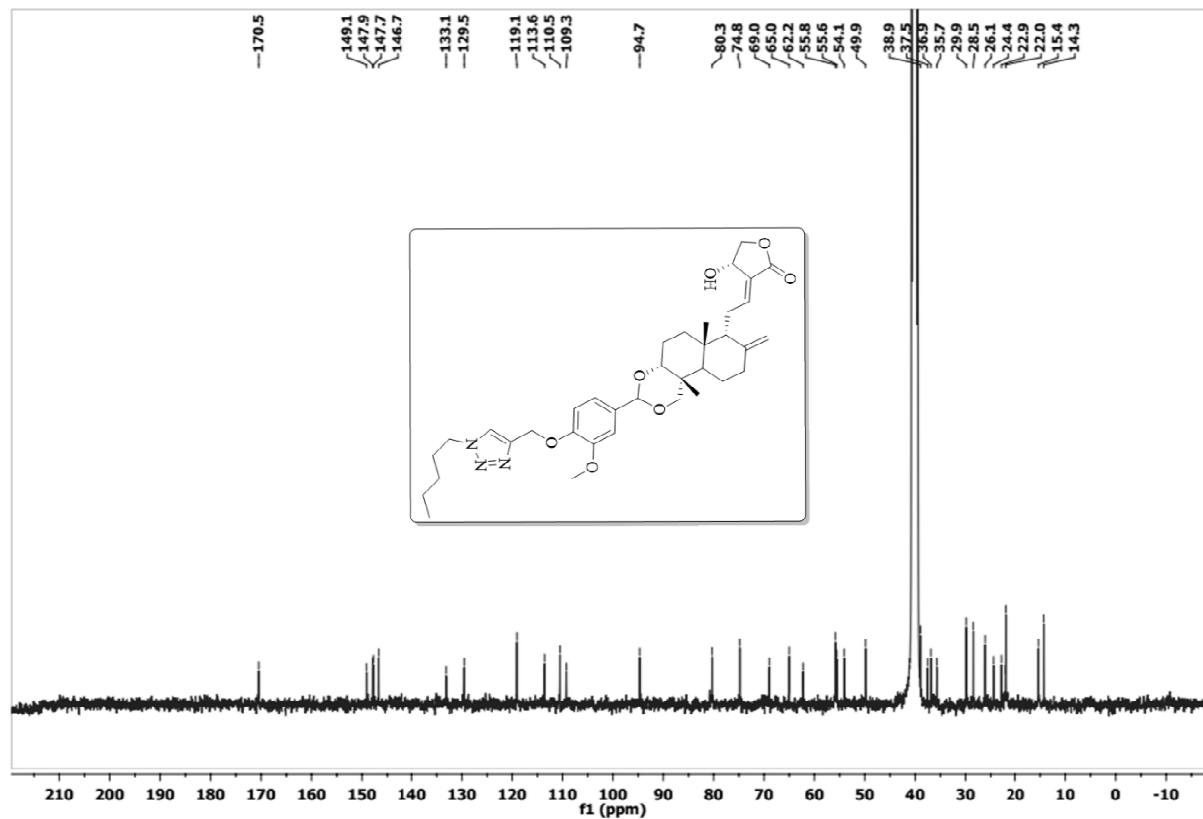
^1H NMR Spectra of 7d



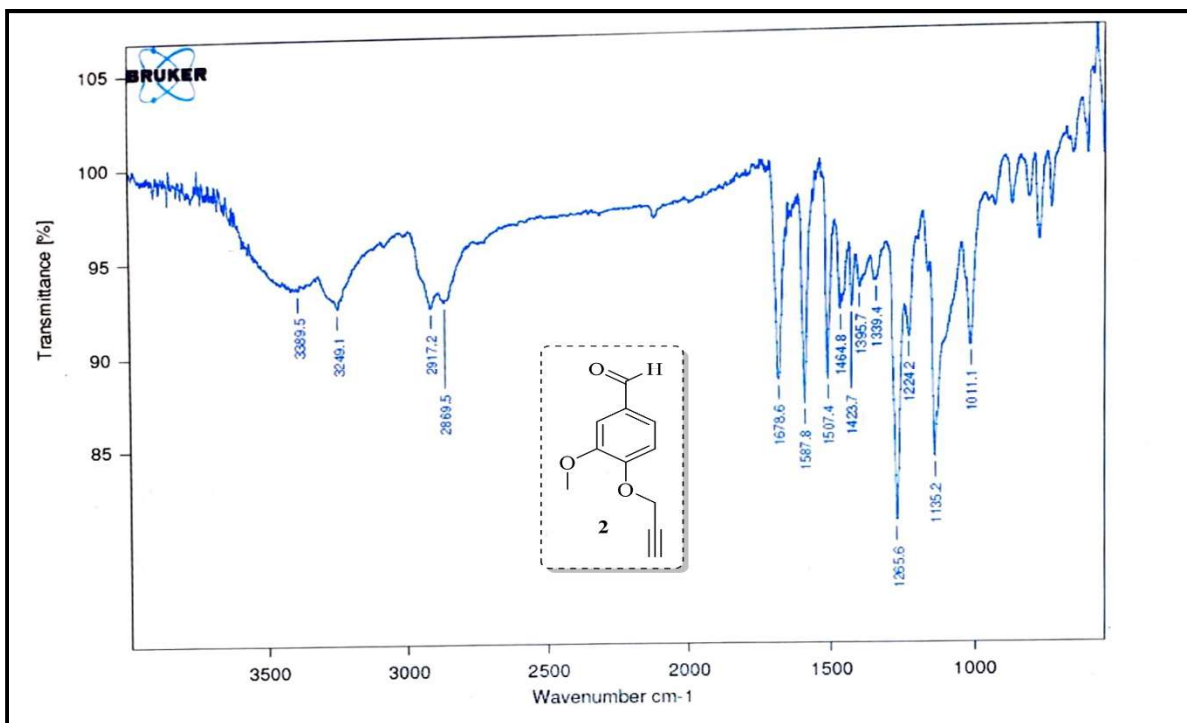
¹H NMR Spectra of 7e



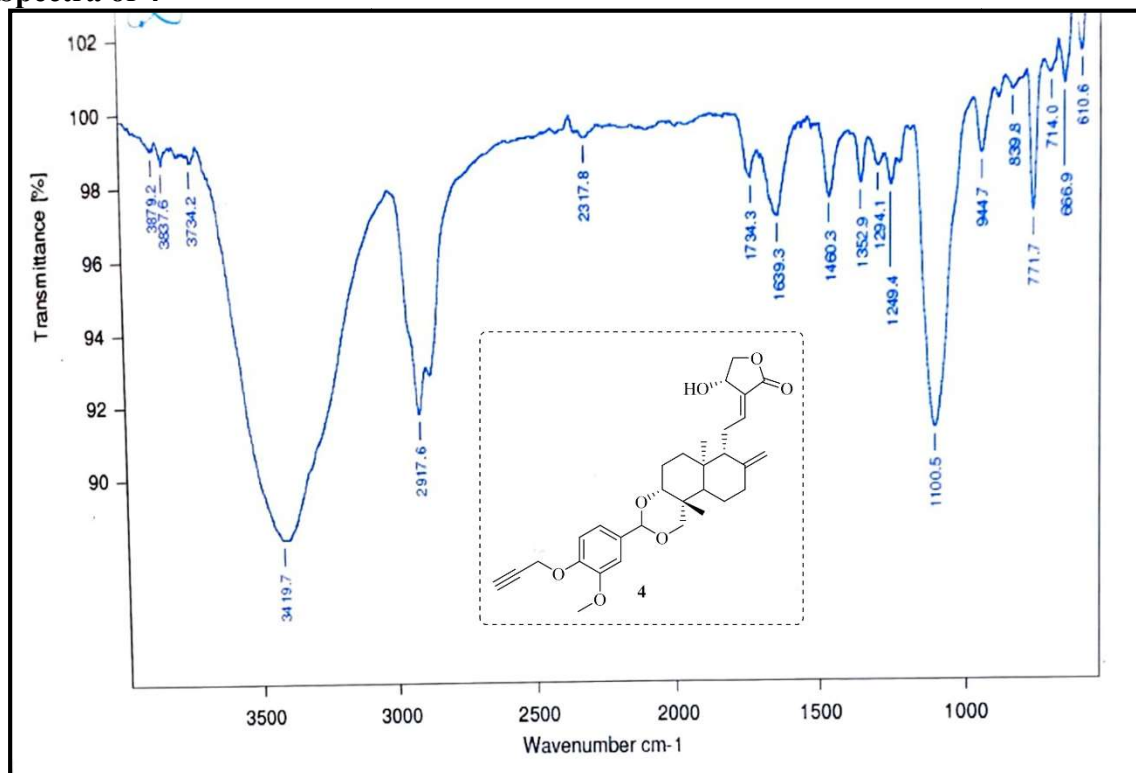
¹³C NMR Spectra of 7e



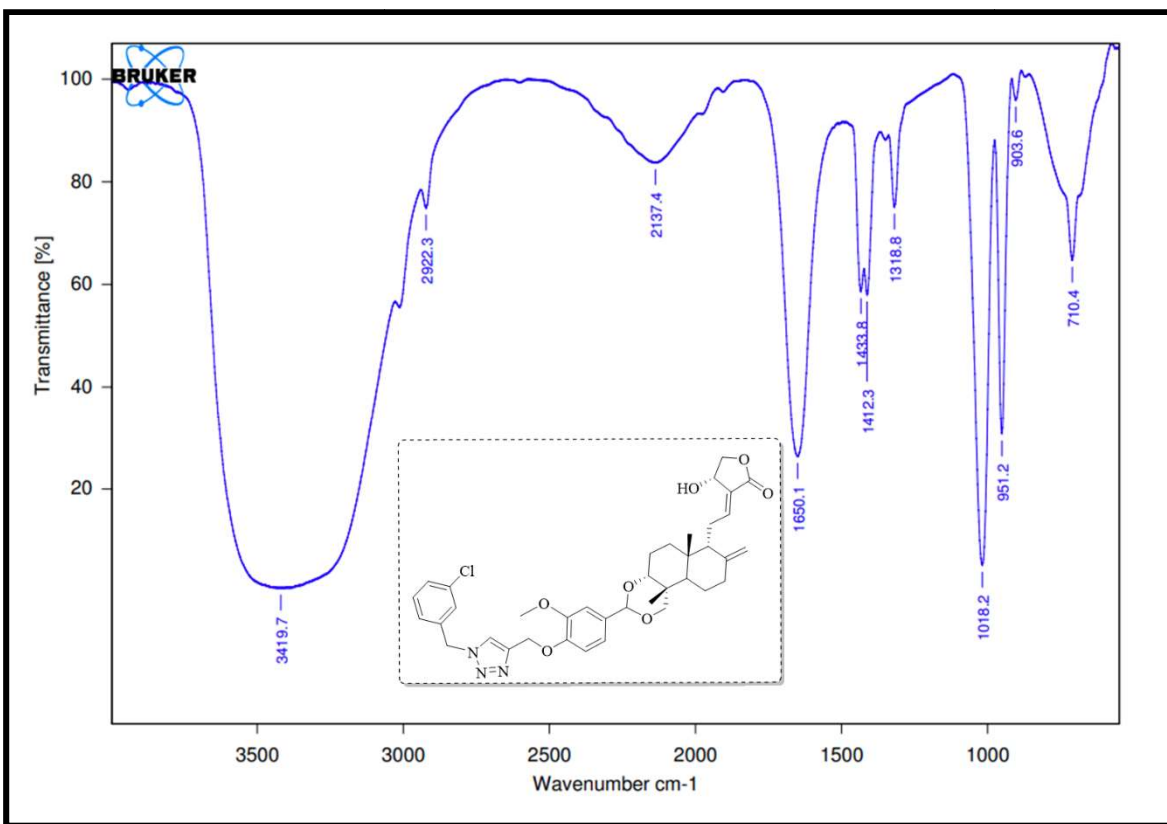
IR Spectra of 2



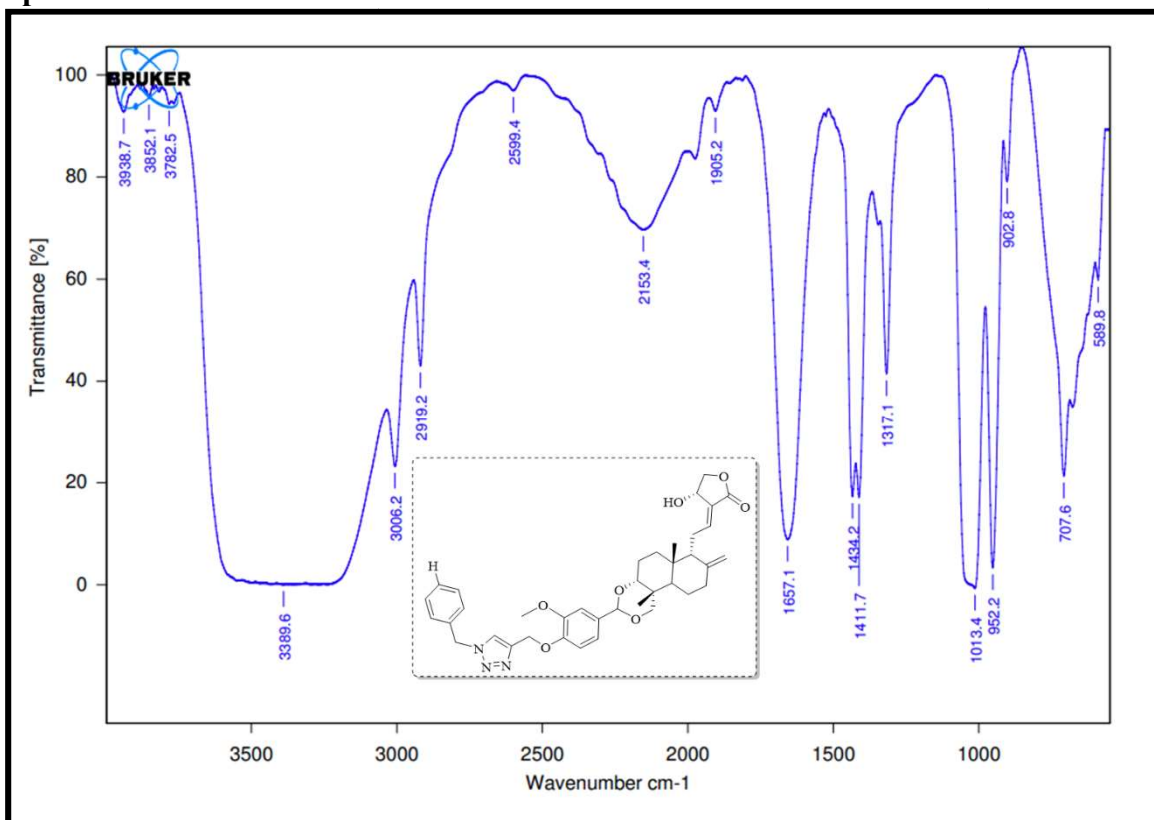
IR Spectra of 4



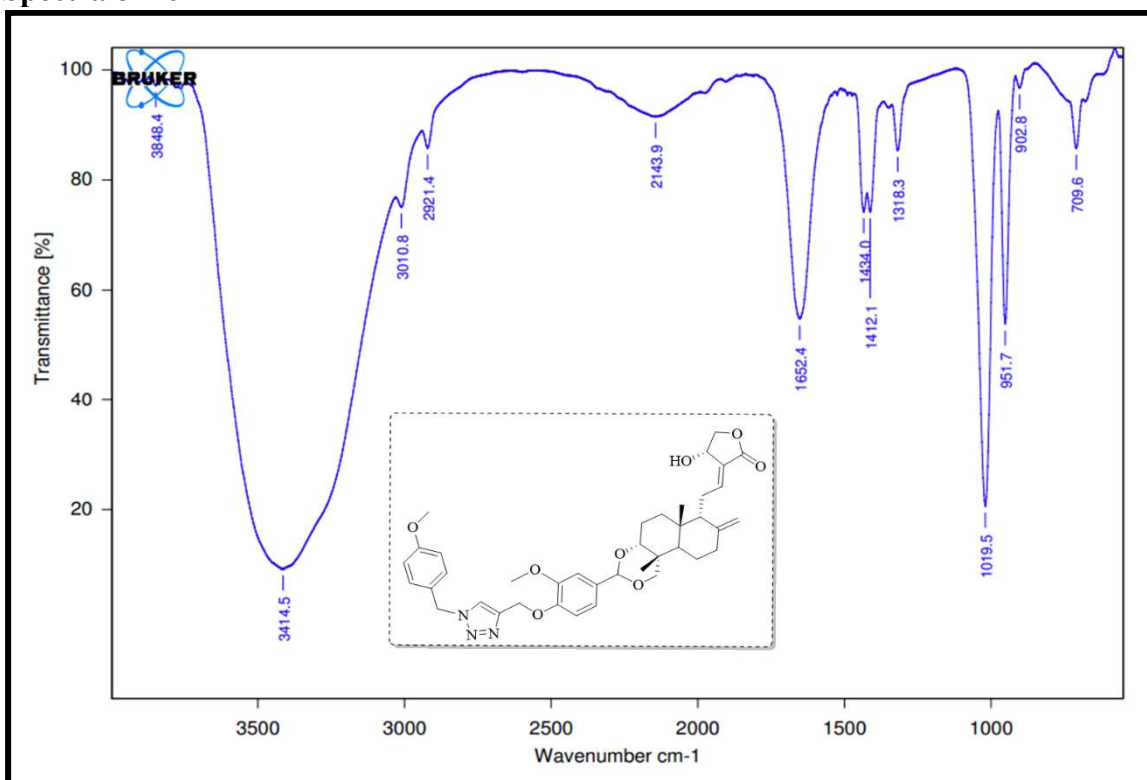
IR Spectra of 7a



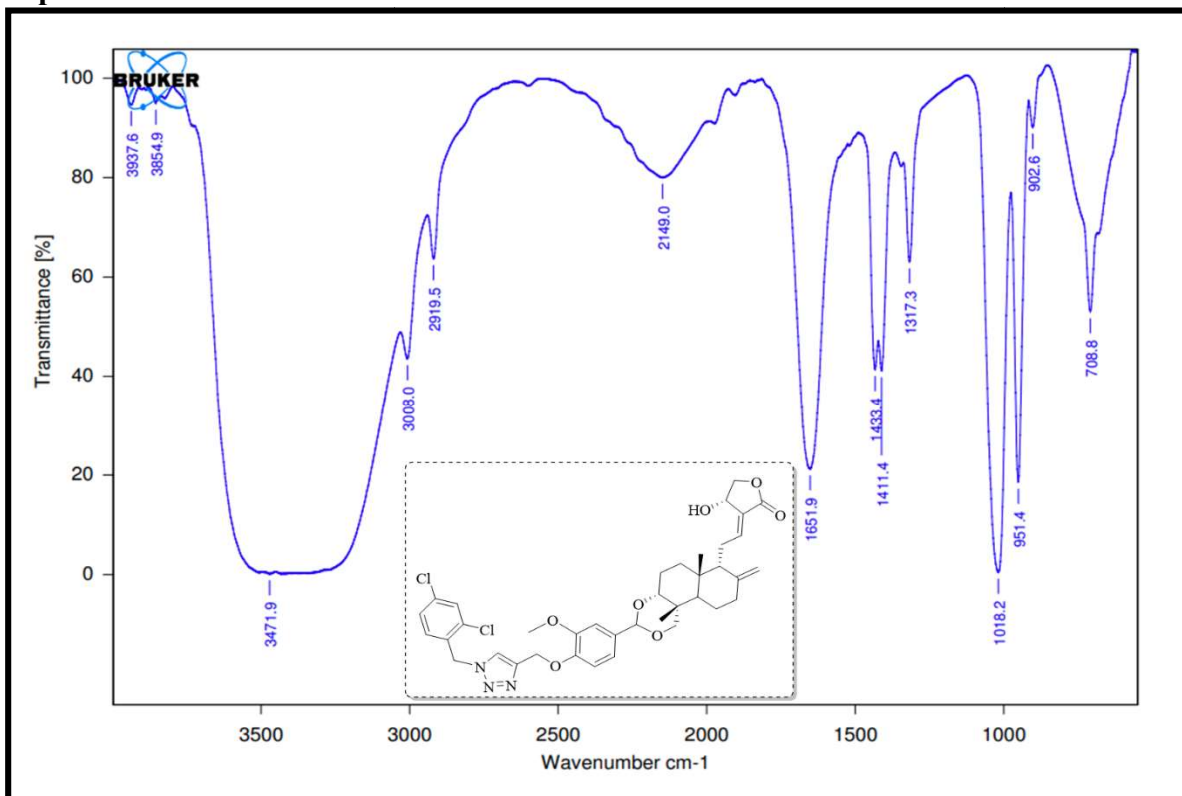
IR Spectra of 7b



IR Spectra of 7c



IR Spectra of 7d



IR Spectra of 7e

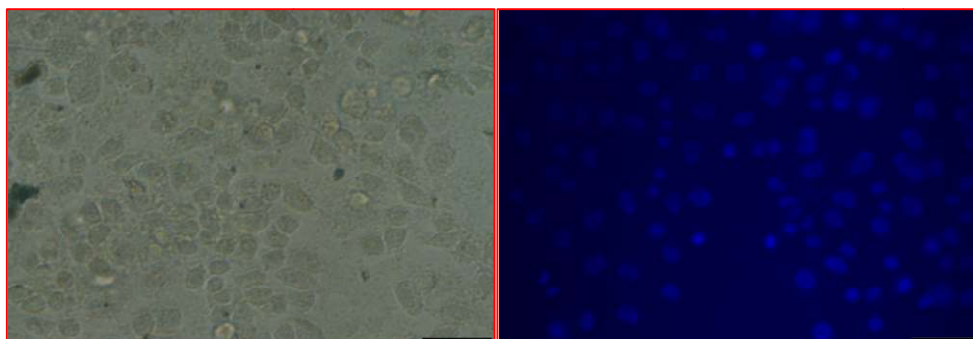
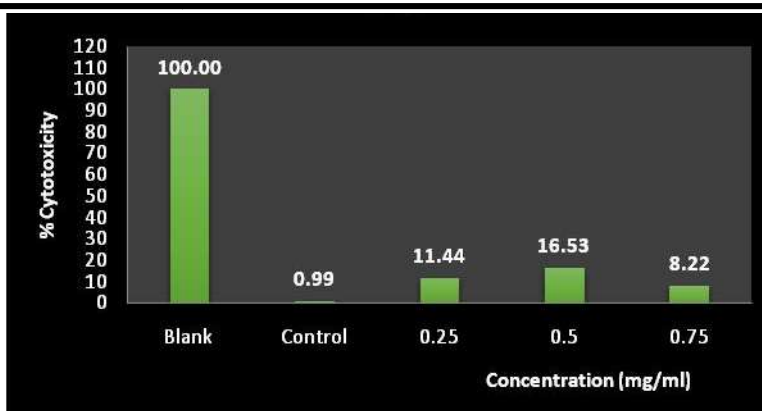
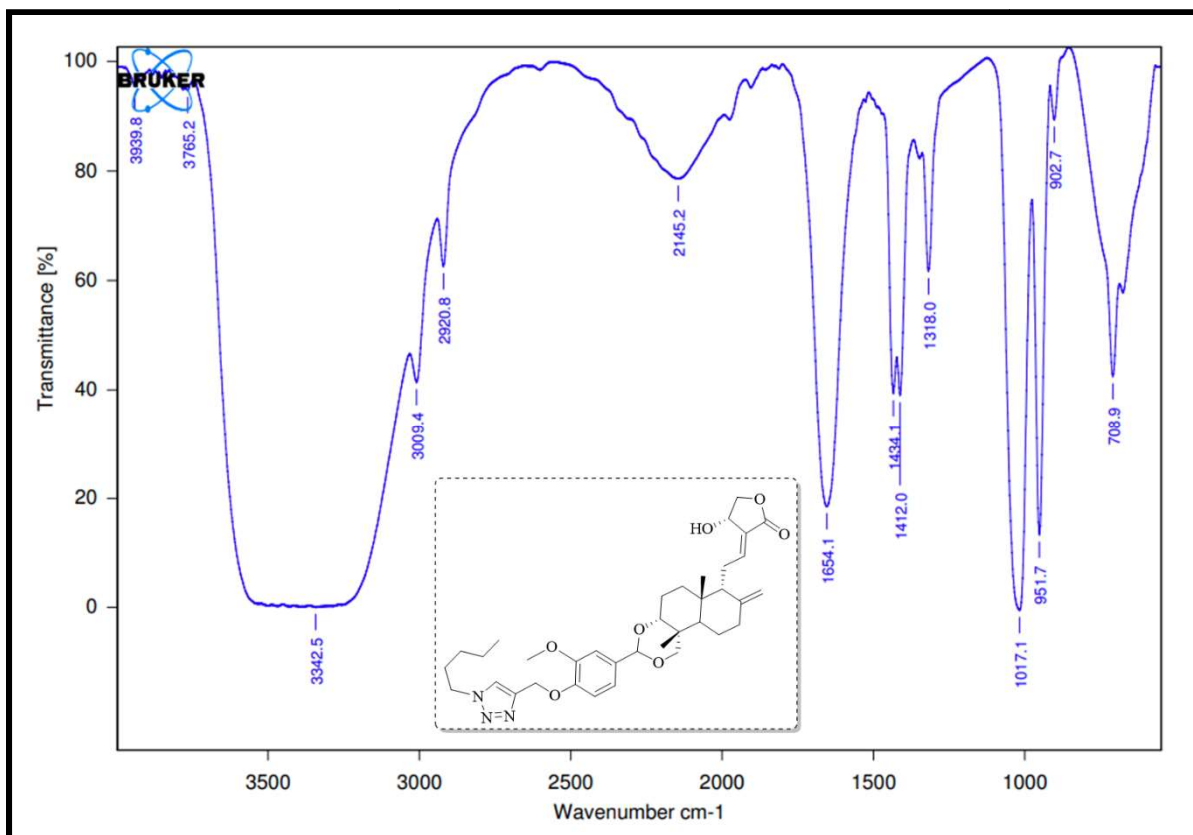


Figure S1: Cytotoxicity assay of Compound 7a against HeLa cell lines by MTT assay.

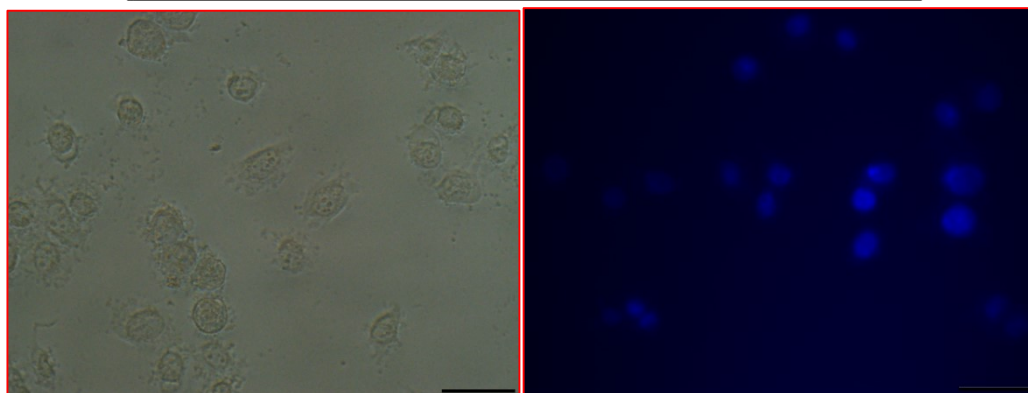
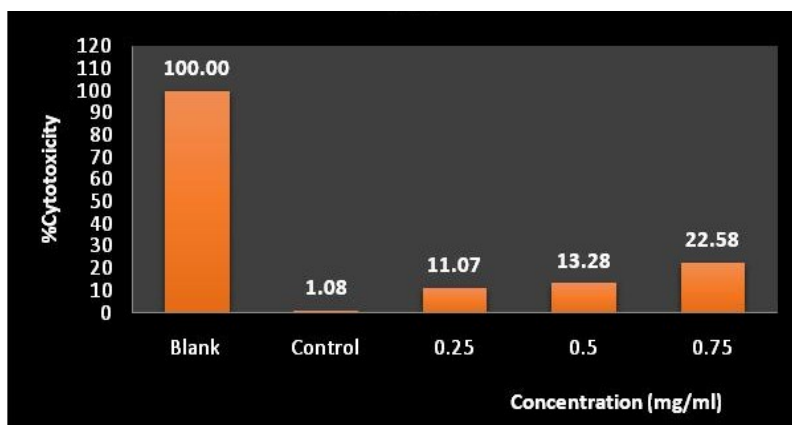


Figure S1: Cytotoxicity assay of Compound 7b against HeLa cell lines by MTT assay.

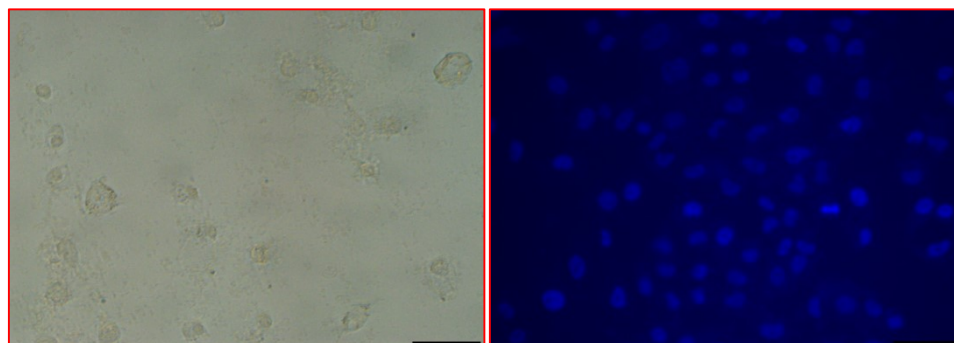
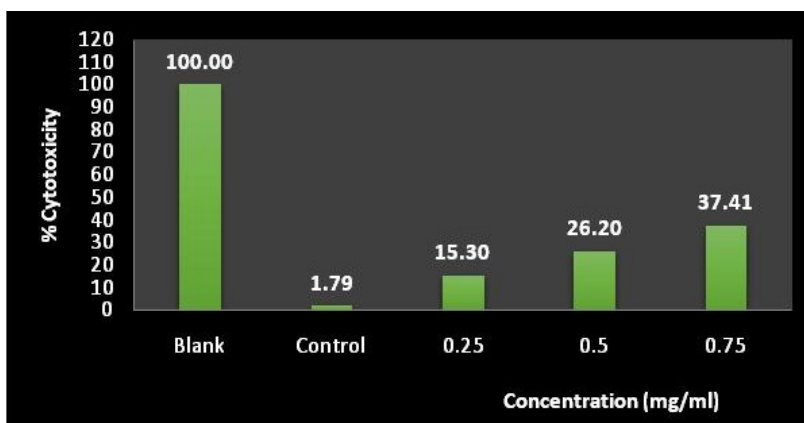


Figure S3: Cytotoxicity assay of Compound 7d against HeLa cell lines by MTT assay

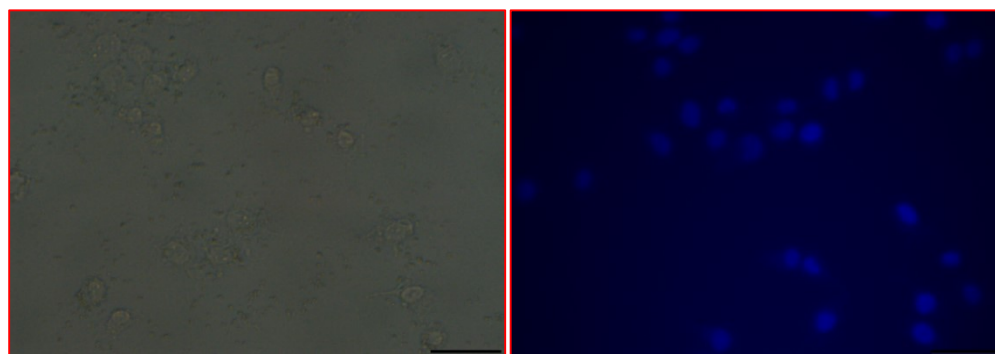
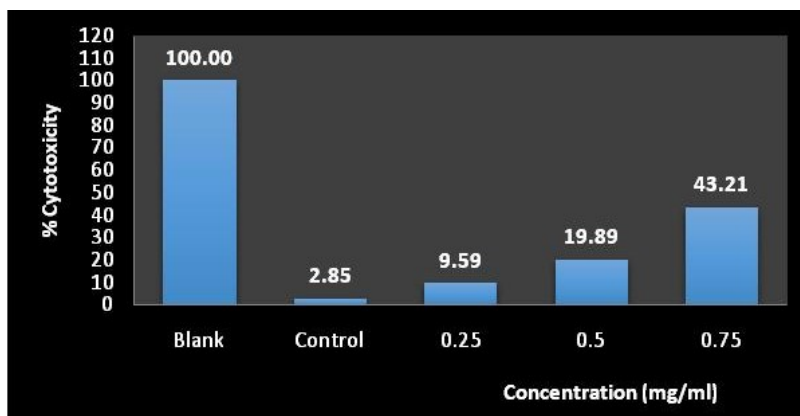


Figure S4: Cytotoxicity assay of Compound 7e against HeLa cell lines by MTT assay.