Supporting Information

Transition metallo-curcumin complexes: A new hope for endometriosis?

Apoorva Singh[1], Pooja Ghosh[2], Suranjana Mukherjee[1], Atul Kumar Ojha[1], Anita Hansda[1], Priyanka Choudhury[1], Subhash Halder[3], Sunita Sharma[4], Gayatri Mukherjee[1#], Swagata Dasgupta [2#], Koel Chaudhury [1#*]

[1]***School of Medical Science and Technology, Indian Institute of Technology Kharagpur, India***

[2]***Department of Chemistry, Indian Institute of Technology Kharagpur, India***

[3]***Srijoni Healing Home, Kolkata, India***

[4]***Institute of Reproductive Medicine, Salt Lake, Kolkata, India***

 # Gayatri Mukherjee, Swagata Dasgupta, and Koel Chaudhury have contributed equally and may be considered as joint corresponding authors

Professor Koel Chaudhury
School of Medical Science and Technology
Indian Institute of Technology Kharagpur
Kharagpur, West Bengal-721302
Email id-koel@smst.iitkgp.ac.in
Contact no: 91-3222-283572

Professor Swagata Dasgupta
Department of Chemistry
Indian Institute of Technology Kharagpur
Kharagpur, West Bengal-721302
Email id-swagata@chem.iitkgp.ac.in

Dr. Gayatri Mukherjee
School of Medical Science and Technology
Indian Institute of Technology Kharagpur
Kharagpur, West Bengal-721302
Email id-gayatri.mukherjee@smst.iitkgp.ac.in

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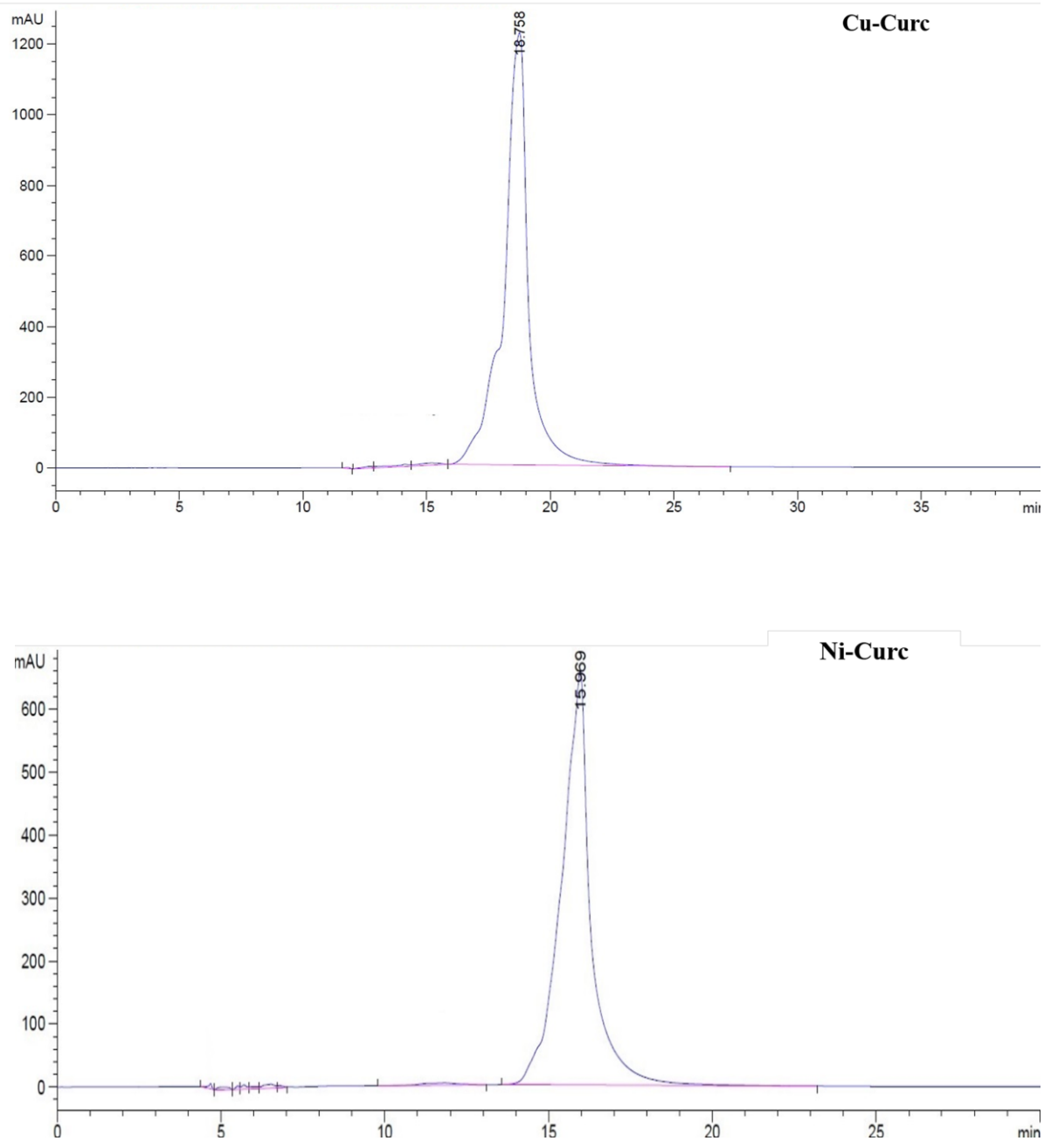

Figure S1: HPLC chromatograms of Cu-Curc and Ni-Curc

Purity>95% as determined by HPLC. HPLC conditions (Agilent 1260 Infinity)- C18 column, Mobile phase- 2% acetic acid and Acetonitrile (50:50), Flow rate- 1.00 mL/min.

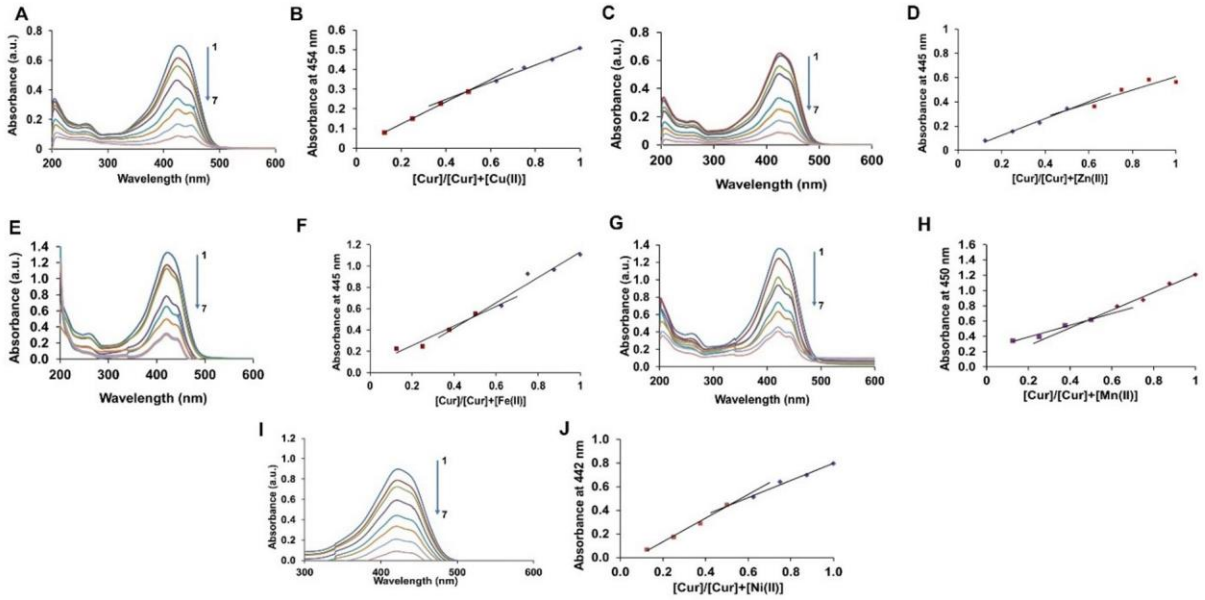

Figure S2: Job's Plot of metallo-Curc complexes. (A, C, E, G, I Absorption spectra of Curc in (1) absence and (2-7) presence of respective metal ions in HPLC grade methanol); (B, D, F, G, H, I)- Job's plot for the complexation

Table S1: Emission maxima of compounds in cell culture media

Compound	λ_{em} (DMEM/F12 media +10% FBS)
Curc	505
Cu-Curc	504
Zn-Curc	502
Fe-Curc	519
Mn-Curc	514
Ni-Curc	504

Table S2: TGA data comparison of the individual curcumin complexes

Complex	**Step**	**Temperature (°C)**	**Chemical process**
Cu-Curc	I	RT - 110	Adsorbed water loss
	II	200 - 350	Loss of CH_2O moieties from curcumin ligand
	III	350 - 650	Oxidative decomposition of curcumin framework
Fe-Curc	I	RT - 100	Adsorbed water loss
	II	300 - 650	Oxidative decomposition of curcumin framework
Mn-Curc	I	RT - 90	Adsorbed water loss
	II	250 – 650	Oxidative decomposition of curcumin framework
Ni-Curc	I	RT - 110	Adsorbed water loss
	II	200 - 400	Removal of the C_6H_5 moieties from curcumin framework
	III	400 - 650	Oxidative decomposition of curcumin framework
Zn-Curc	I	RT - 100	Adsorbed water loss
	II	300 - 350	Loss of CH_2O and C_6H_5 moieties from curcumin ligand
	III	350 - 650	Oxidative decomposition of curcumin framework

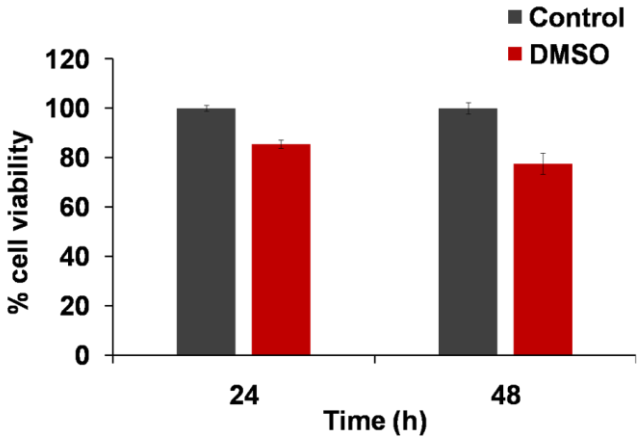

Figure S3: Effect of DMSO (0.05%) on cell viability of endometrial stromal cells as evaluated by MTT assay