Novel phenothiazine bridged porphyrin-(hetero)aryl dyads: synthesis, optical properties, *in vitro* cytotoxicity and staining of human ovarian tumor cell lines.

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Supplementary materials

Contents:

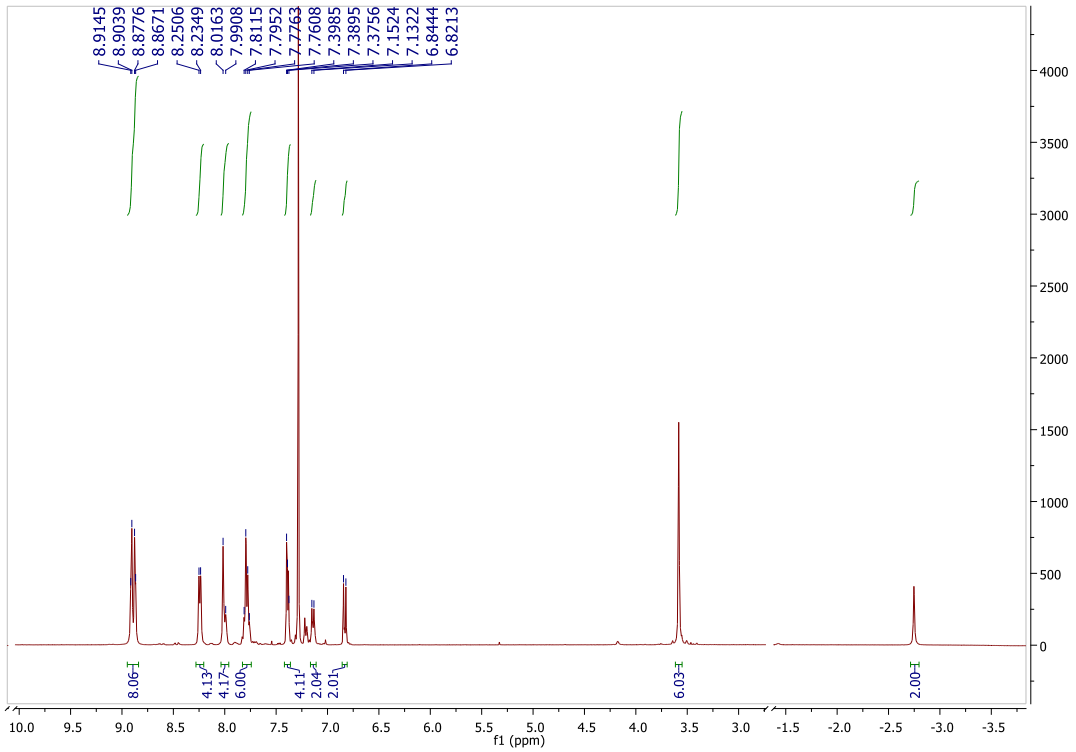

Figure S1. ^{1}H-NMR 400 MHz spectrum of **3a** ($CDCl_3$)

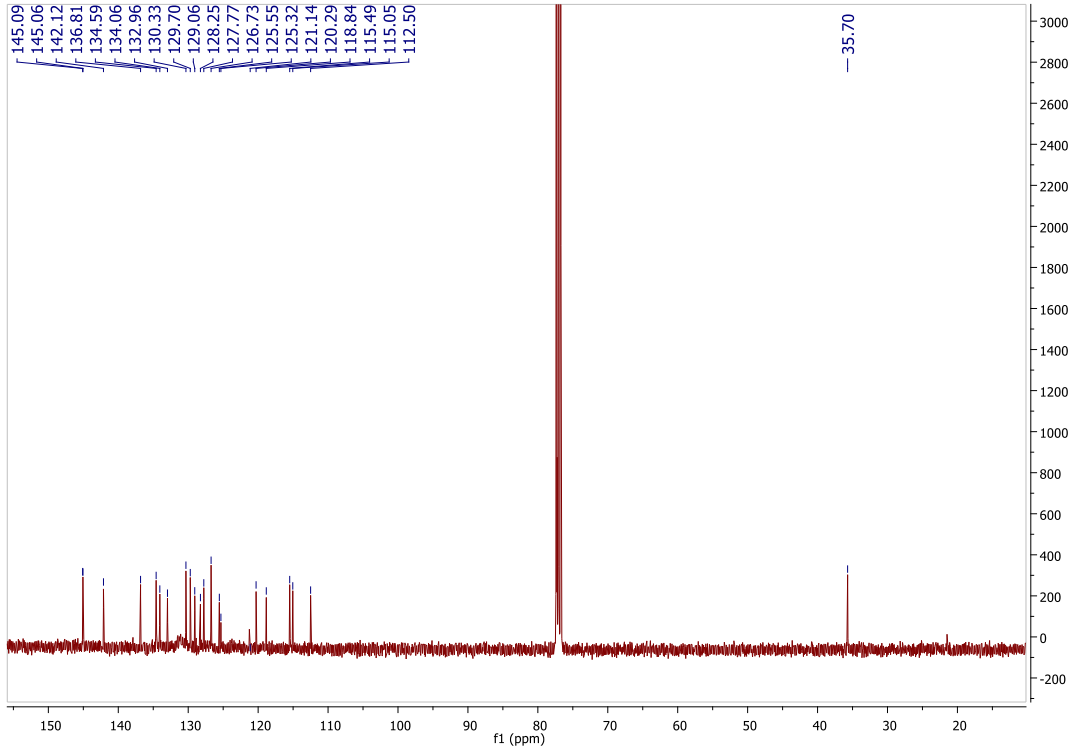

Figure S2. ^{13}C-NMR 100 MHz spectrum of compound **3a** ($CDCl_3$)

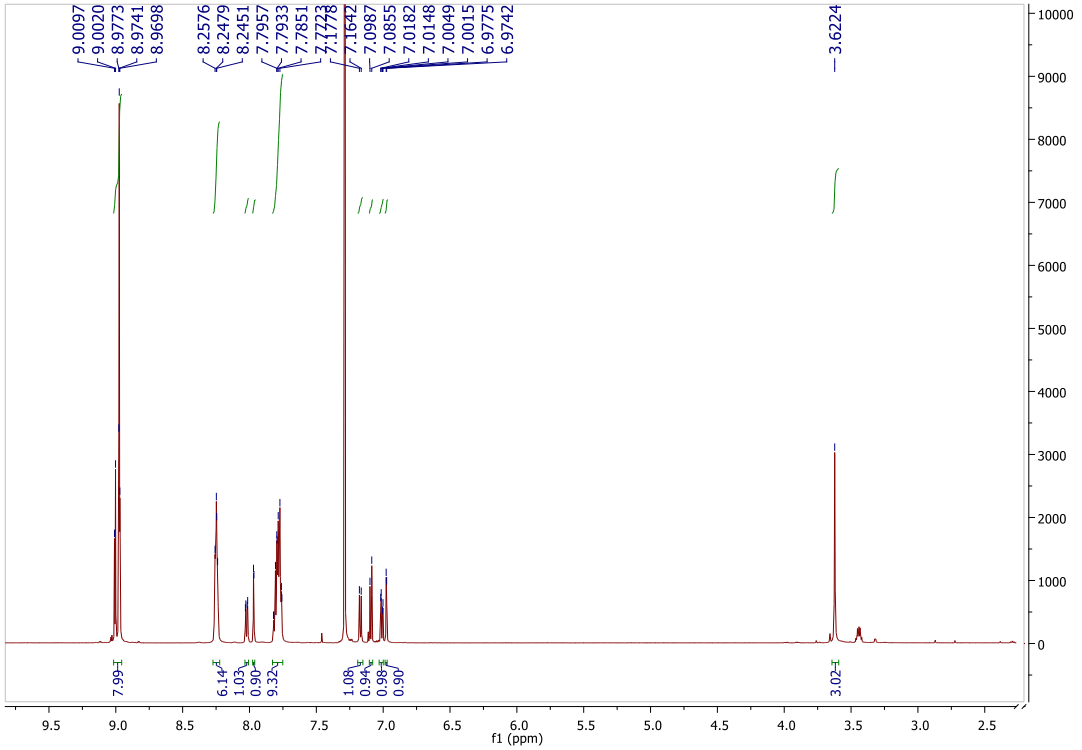

Figure S3. ^{1}H-NMR 600 MHz spectrum of **5a** ($CDCl_3$)

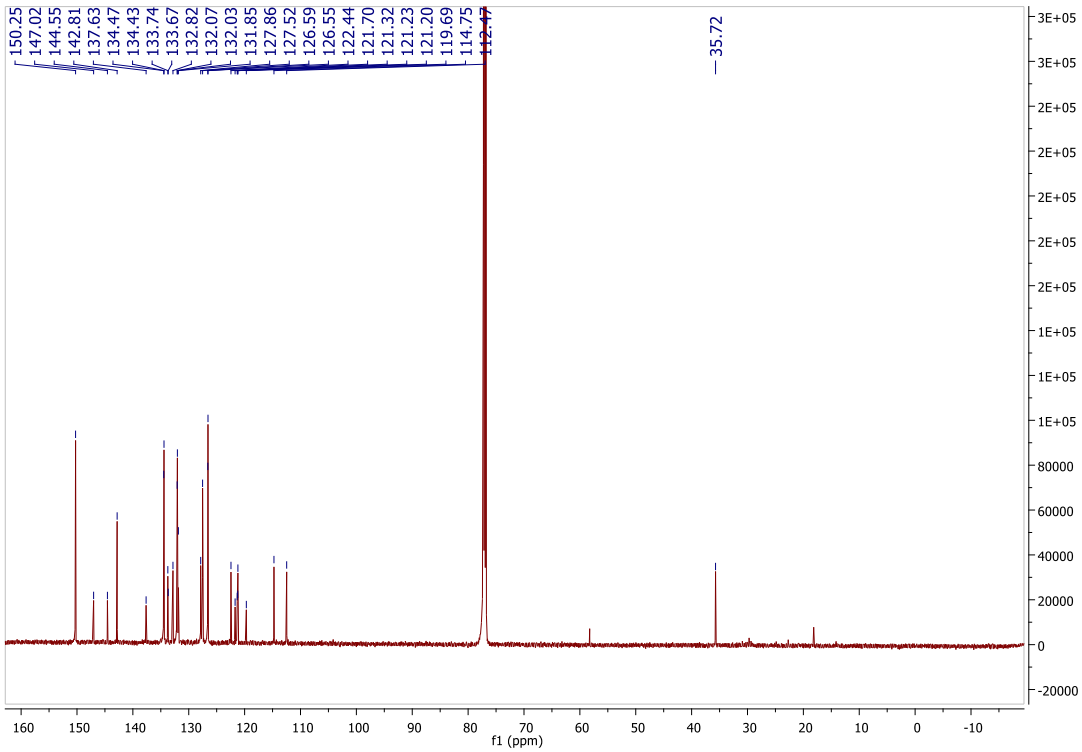

Figure S4.^{13}C-NMR 150 MHz spectrum of **5a** ($CDCl_3$)

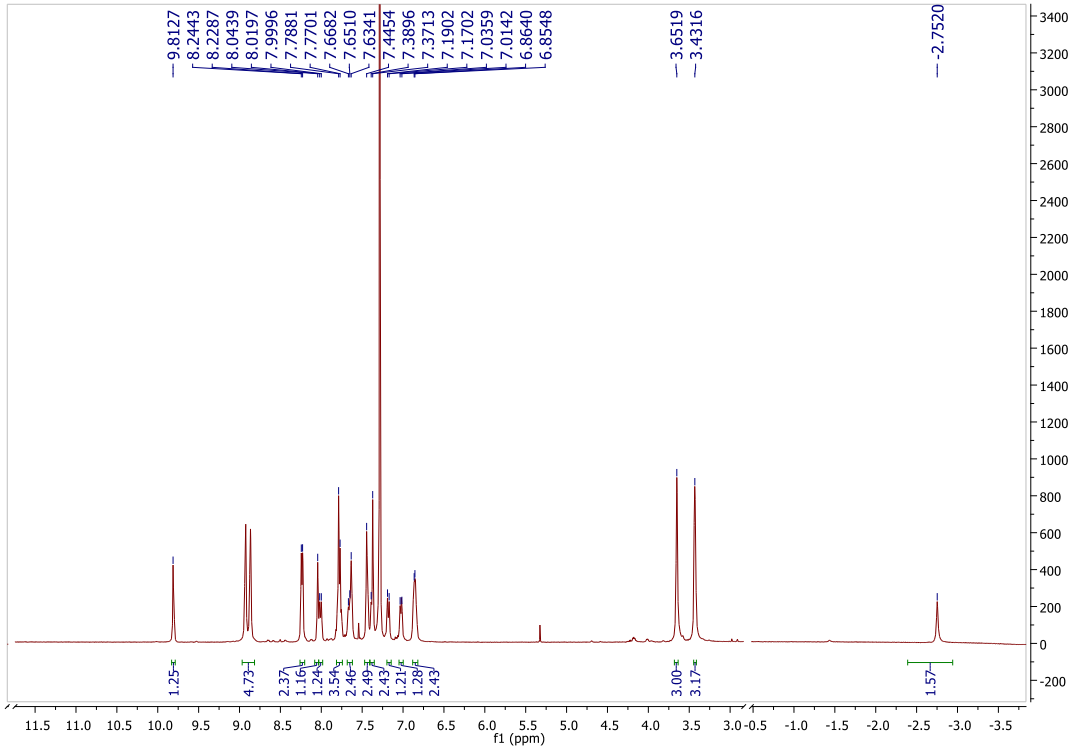

Figure S5.[1]H-NMR 400 MHz spectrum of compound **13** ($CDCl_3$)

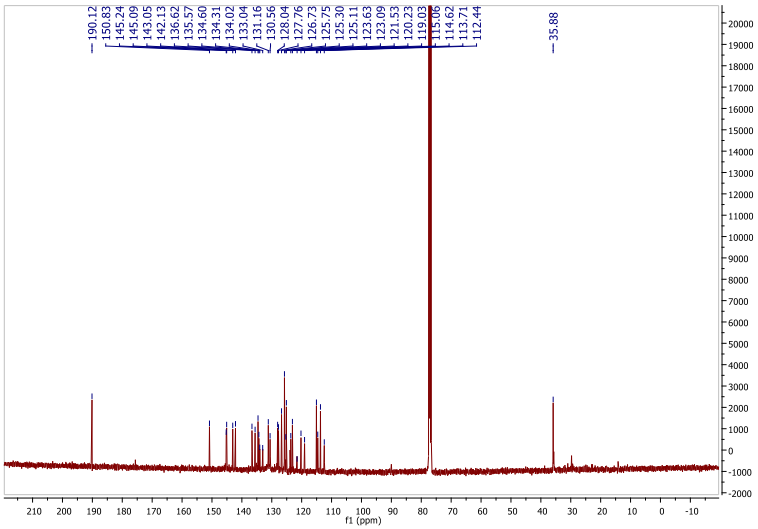

Figure S6.[13]C-NMR 100 MHz spectrum of compound **13** ($CDCl_3$)

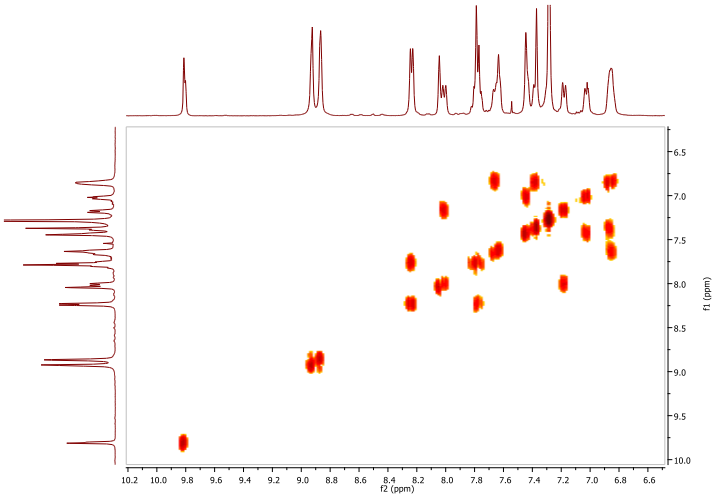

Figure S7. 2D-NMR(^{1}H-^{1}H) COSY 400MHz spectrum of compound **13** (aromatic region, $CDCl_3$)

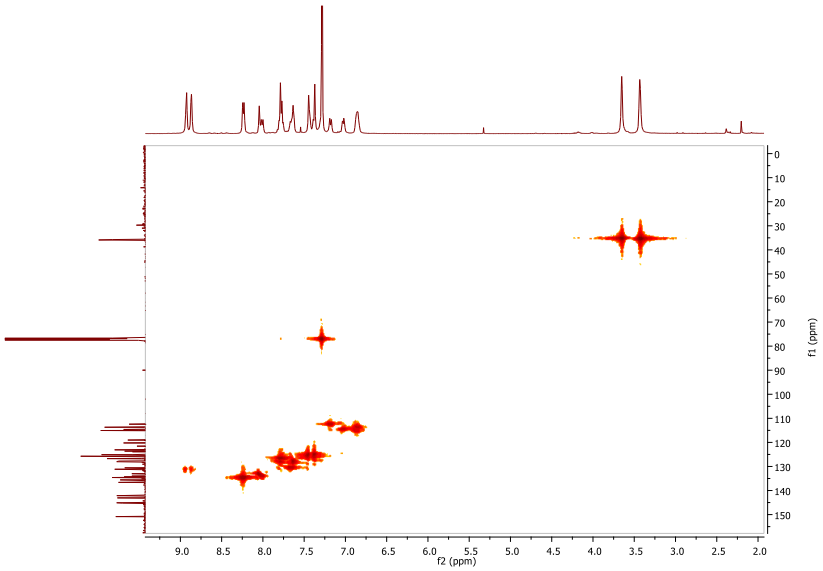

Figure S8. 2D-NMR (^{1}H-^{13}C) HMQC 400MHz spectrum of compound **13** ($CDCl_3$,)

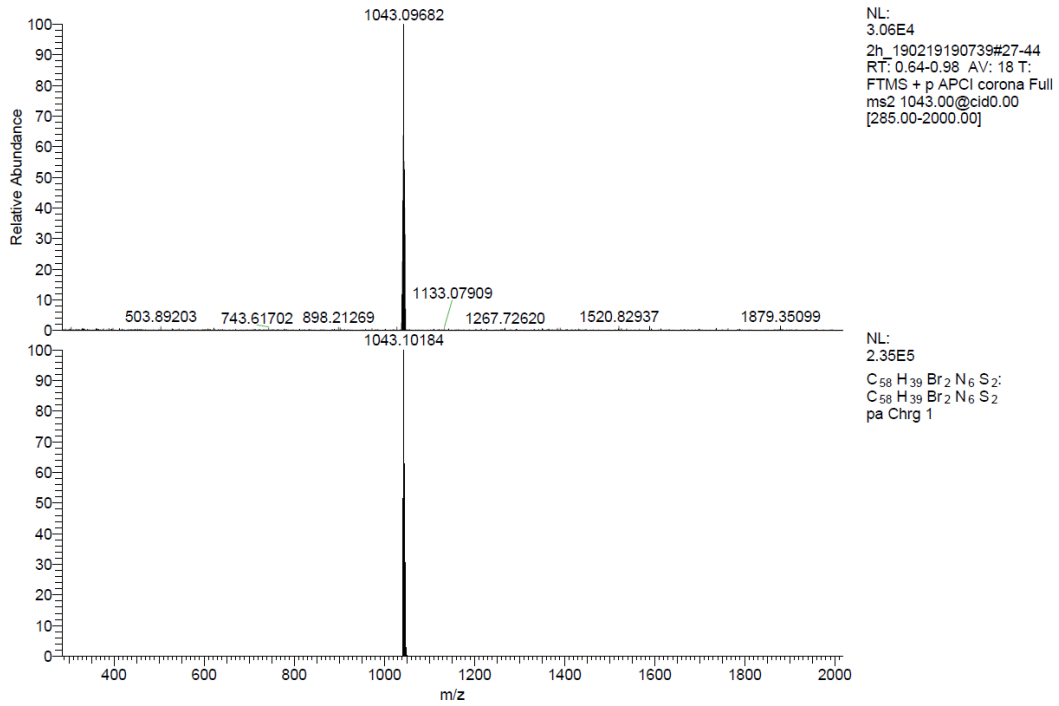

Figure S9. HRMS spectrum of *5,15-diphenyl-10,20-bis(7-bromo-10-methyl-10H-phenothiazin-3-yl)-21,23H-porphyrin* **3a**

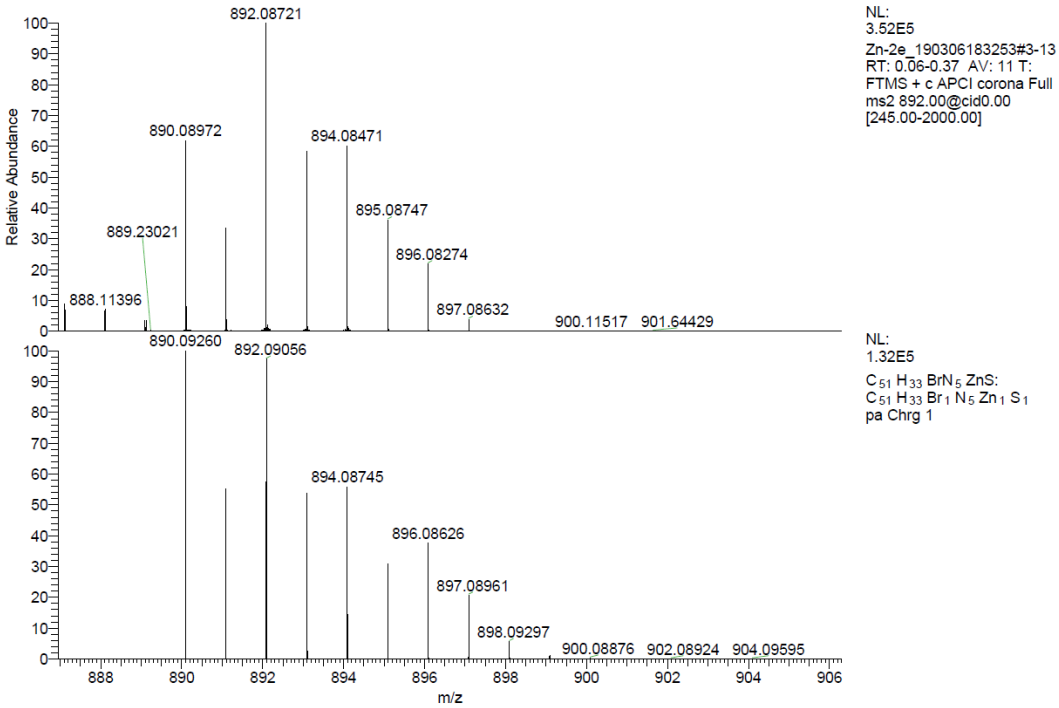

Figure S10. HRMS spectrum of *5,10,15-triphenyl-20-(7-bromo-10-methyl-10H-phenothiazin-3-yl)-21,23-Zn-porphyrin* **4a**

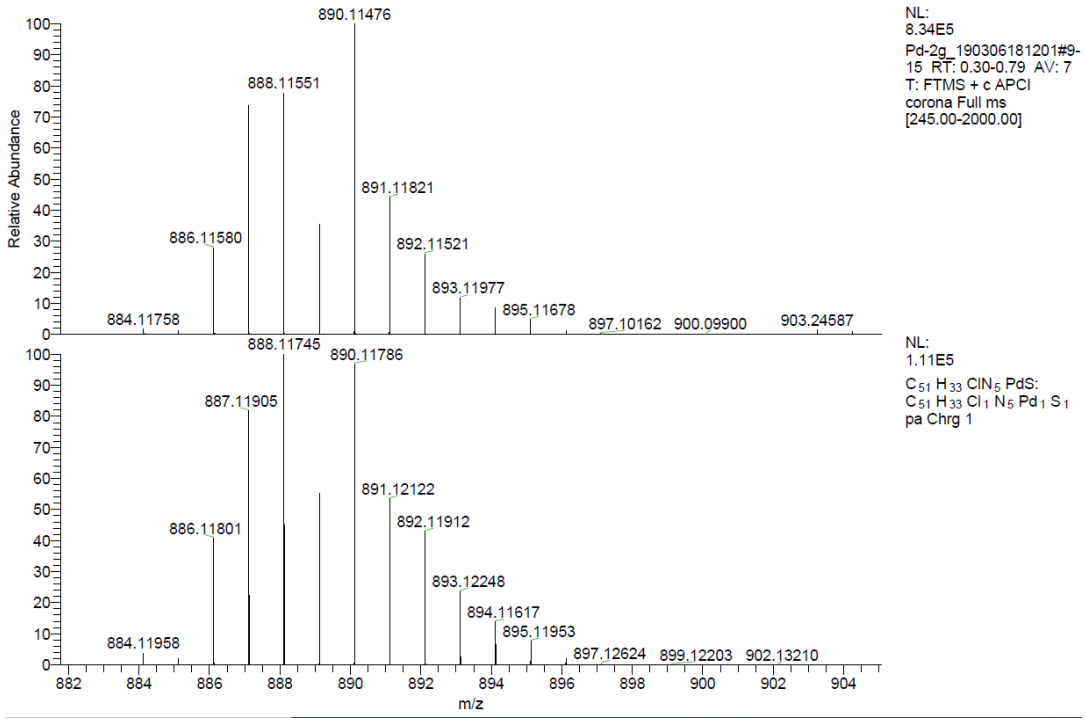

Figure S11. HRMS spectrum of *5,10,15-triphenyl-20-(8-chloro-10-methyl-10H-phenothiazin-3-yl)-21,23-Pd-porphyrin* ***5b***

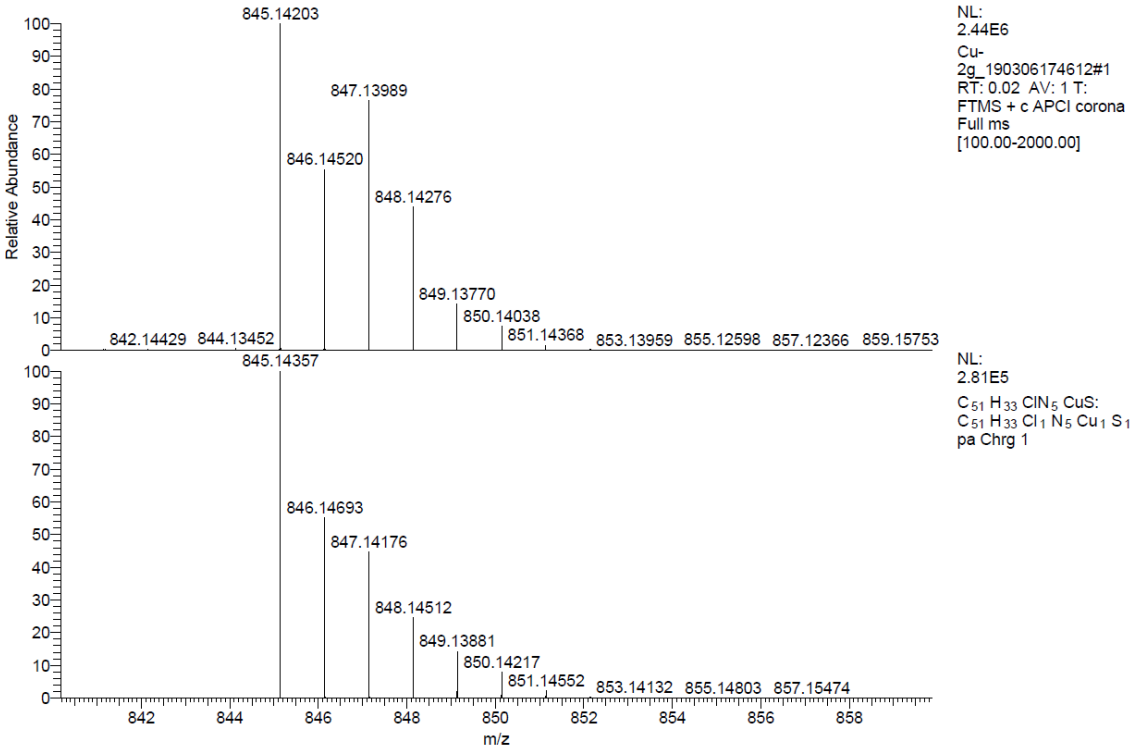

Figure S12. HRMS spectrum of *5,10,15-triphenyl-20-(8-chloro-10-methyl-10H-phenothiazin-3-yl)-21,23-Cu-porphyrin* **5d**

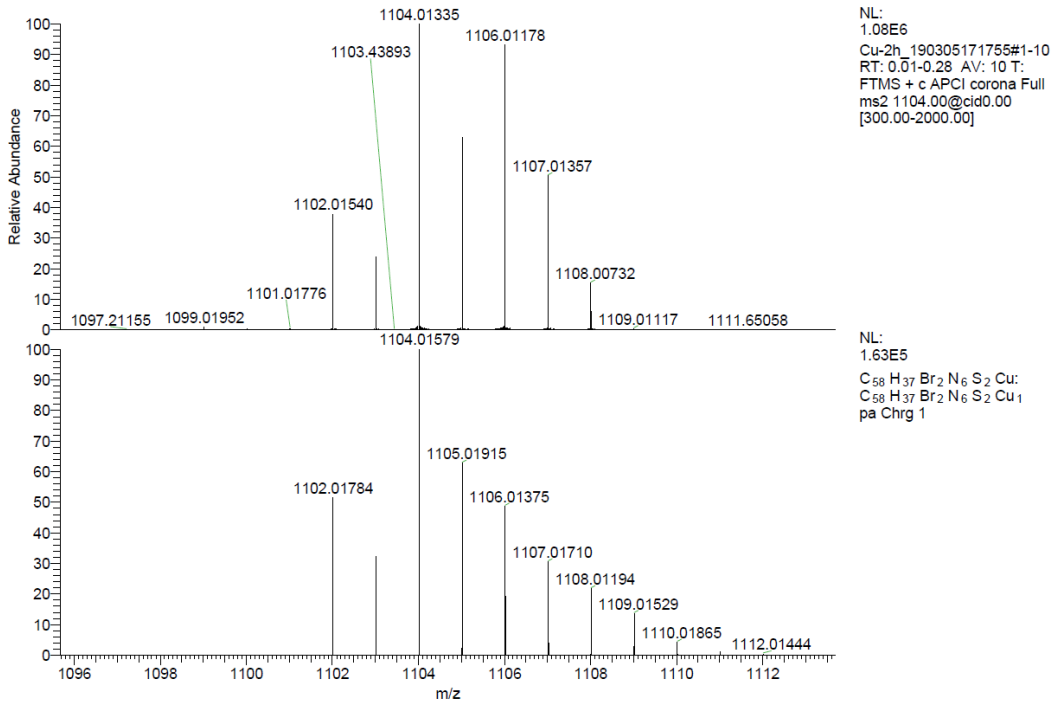

Figure S13. HRMS spectrum of *5,15-diphenyl-10,20-bis(7-bromo-10-methyl-10H-phenothiazin-3-yl)-21,23-Cu-porphyrin* **6d**

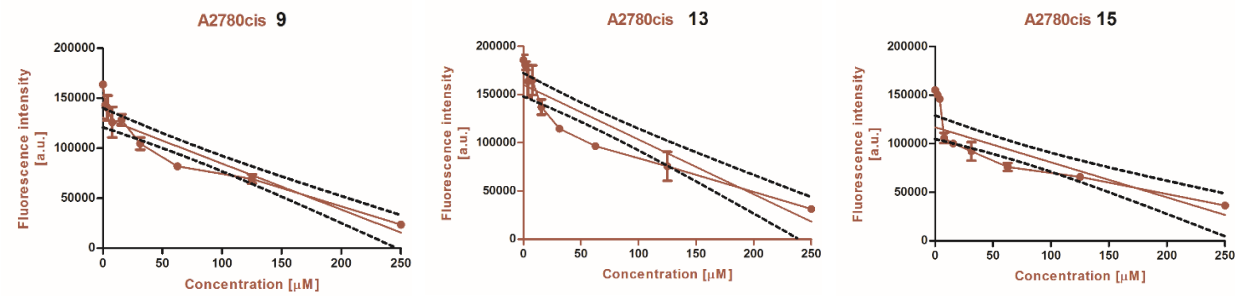

Figure S14. Linear regression of the metabolic rate of ovarian cancer cell line A2780cis *versus* the concentration of the fluorescent dyes: **9, 13, 15.**

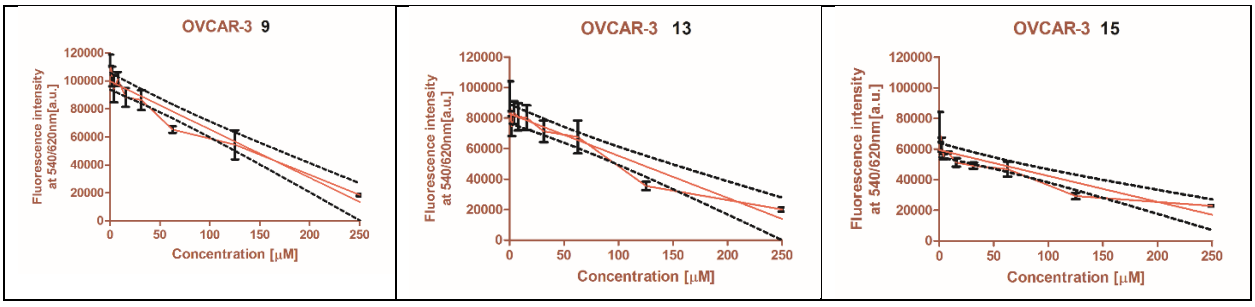

Figure S15. Linear regression of the metabolic rate of ovarian cancer cell line OVCAR-3 *versus* the concentration of the fluorescent dyes: **9, 13, 15.**