

Appendix A

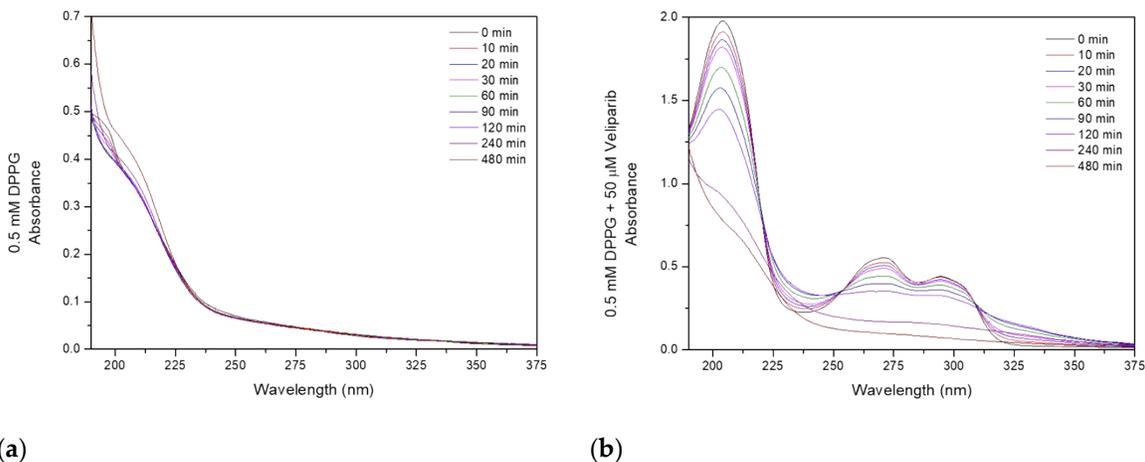


Figure A1. DPPG and DPPG encapsulating Veliparib irradiation assay with UVC lamp. Absorbance spectra of (a) 0.5 mM DPPG formulation; and (b) 0.5 mM DPPG + 50 μ M Veliparib for different irradiation times.

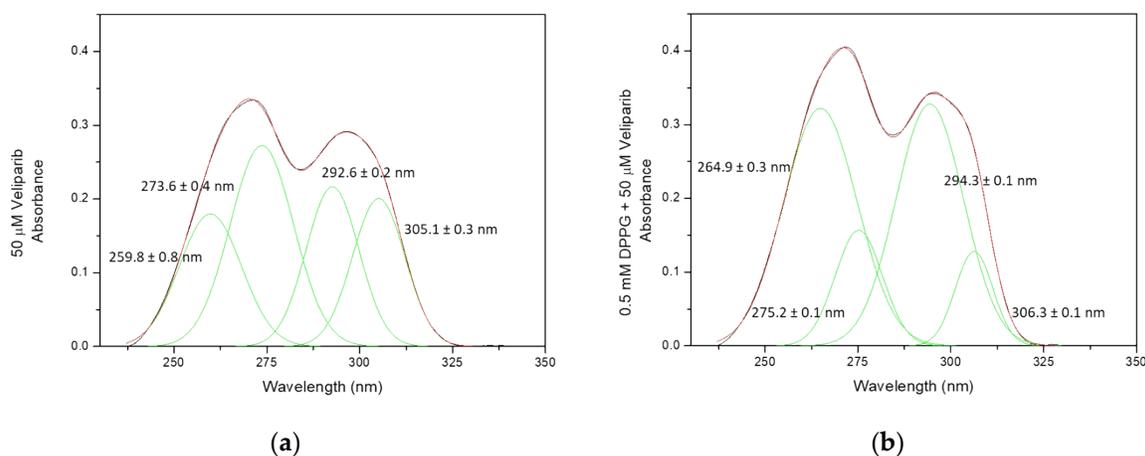


Figure A2. Gaussian analysis of Veliparib and DPPG+Veliparib samples. Data reveals that Veliparib spectra comprise four Gaussians and that after drug encapsulation in DPPG liposomes, these Gaussians present a red shift on wavelength number. (a) UV-vis spectra of 50 μ M Veliparib; (b) UV-vis spectra of 0.5 mM DPPG + 50 μ M Veliparib.

Table A1. Analysis of Veliparib and DPPG + Veliparib wavelength shift of Gaussian 2 and 5 upon UVC irradiation.

Irradiation Time (min)	Veliparib Peak Position ¹ (nm)	DPPG+Veliparib Peak Position ¹ (nm)	Veliparib Peak Position ² (nm)	DPPG+Veliparib Peak Position ² (nm)
0	273.7 \pm 0.4	275.3 \pm 0.1	n.d.	n.d.
10	273.9 \pm 0.3	274.9 \pm 0.2	325.2 \pm 0.8	325.2 \pm 0.8
20	273.5 \pm 0.2	274.5 \pm 0.1	325.4 \pm 0.7	325.4 \pm 0.7
30	273.4 \pm 0.2	274.1 \pm 0.2	327.1 \pm 0.4	327.1 \pm 0.4
60	273.04 \pm 0.32	273.8 \pm 0.3	327.8 \pm 0.5	327.8 \pm 0.5
90	273.4 \pm 0.2	273.7 \pm 0.2	328.5 \pm 0.5	328.5 \pm 0.5
120	274.1 \pm 0.3	273.9 \pm 0.2	328.1 \pm 0.7	328.1 \pm 0.7
240	275.2 \pm 0.5	278.7 \pm 0.6	330.3 \pm 0.9	330.3 \pm 0.9
480	n.d.	n.d.	n.d.	n.d.

1Peak position of Guassian 2. 2Peak position of Guassian 5.n.d. means not detected.