

Supporting Information for
“Quantitative Analysis of DNA Interstrand Cross-links and
Monoadducts Formed in Human Cells Induced by Psoralens
and UVA Irradiation” by

Congfang Lai et al.

(Anal. Chem., 2008)

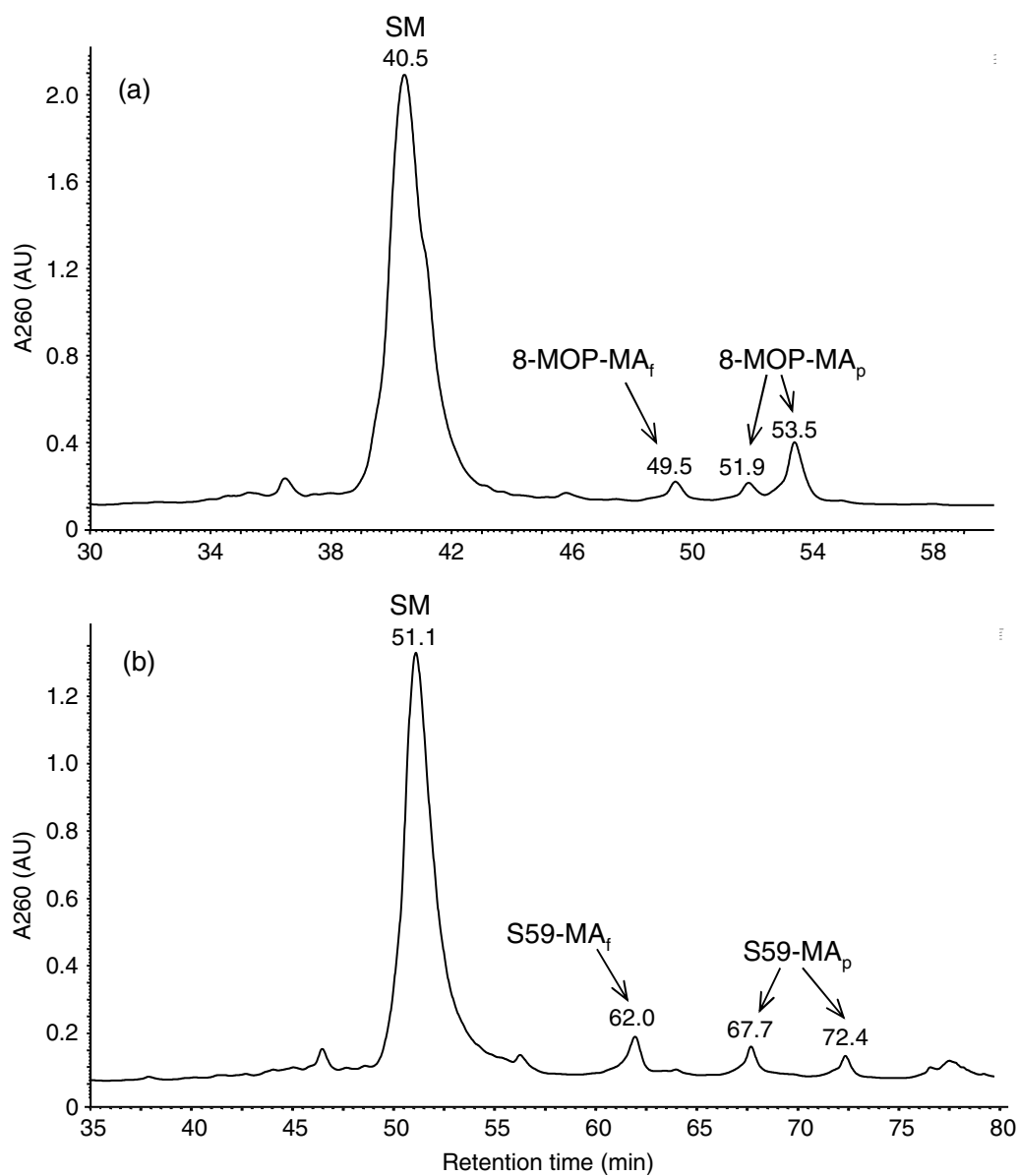


Figure S1. The HPLC traces for the isolation of oligodeoxynucleotides containing 8-MOP-MAs (a) and S59-MAs (b) from the photoreversal reaction mixture. Peaks indicated by arrows correspond to different types of MAs.

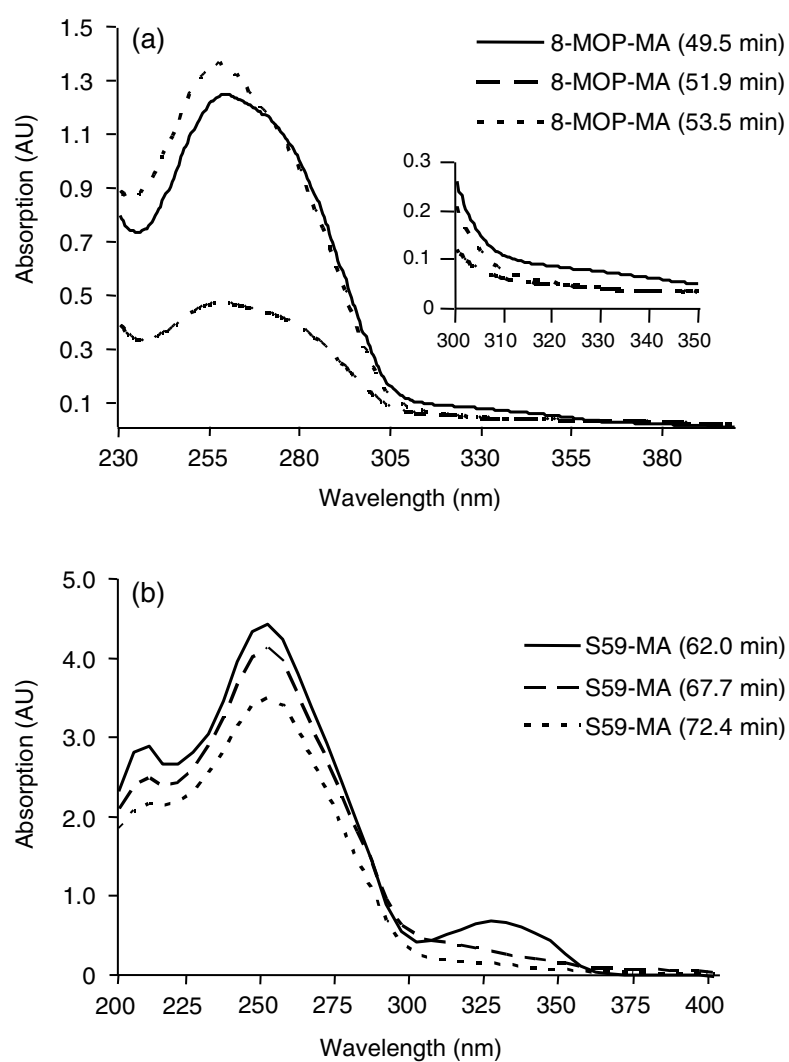


Figure S2. UV absorption spectra of the three 8-MOP-MA-containing ODNs (a) and three S59-MA-containing ODNs (b) fractions.

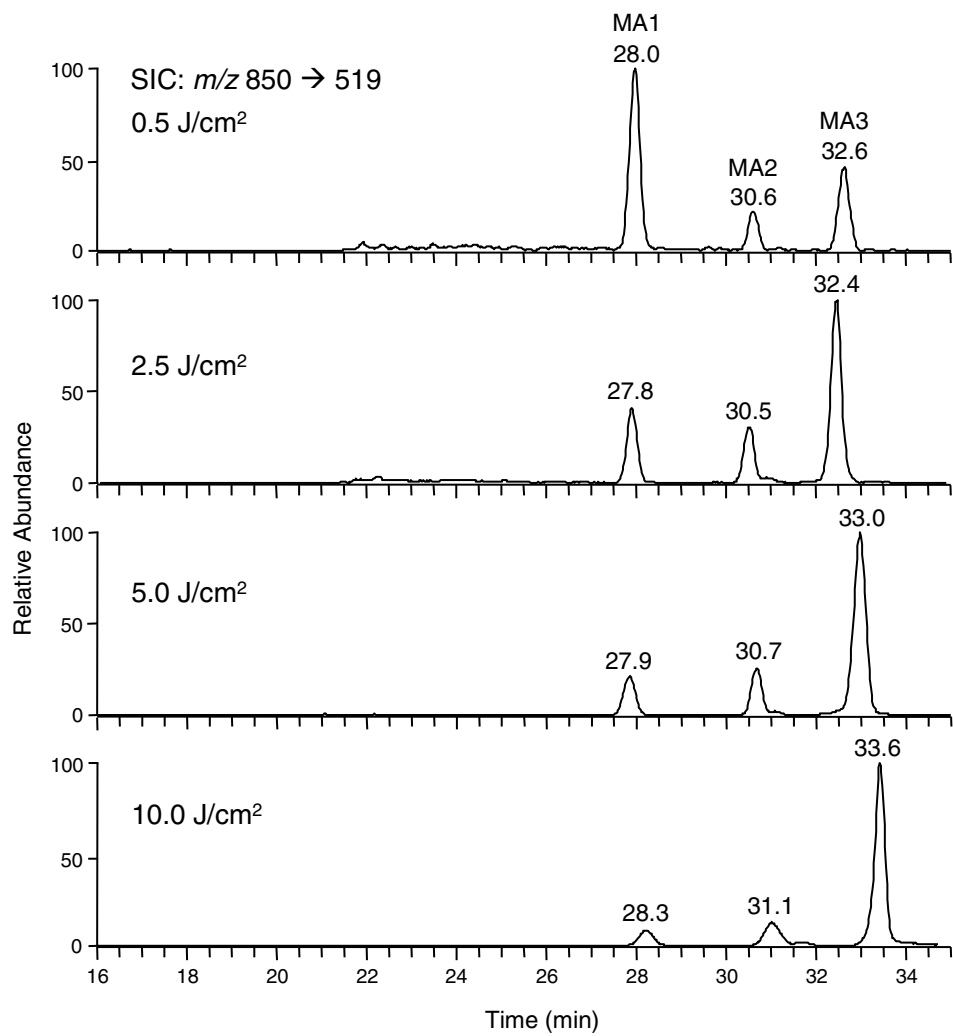


Figure S3. Selected-ion chromatograms (SICs) for 8-MOP-MA-containing dinucleotide in the digestion mixture of DNA isolated from 8-MOP-treated cells.

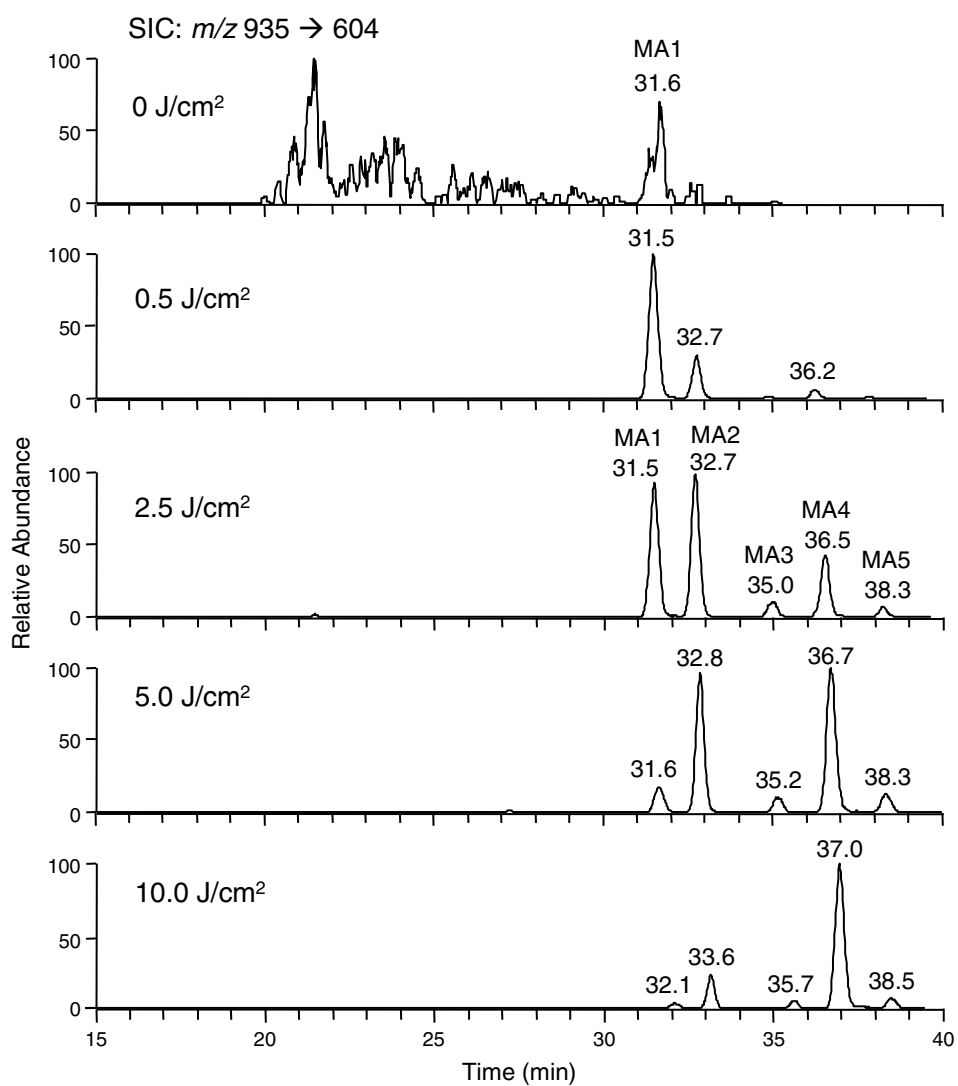
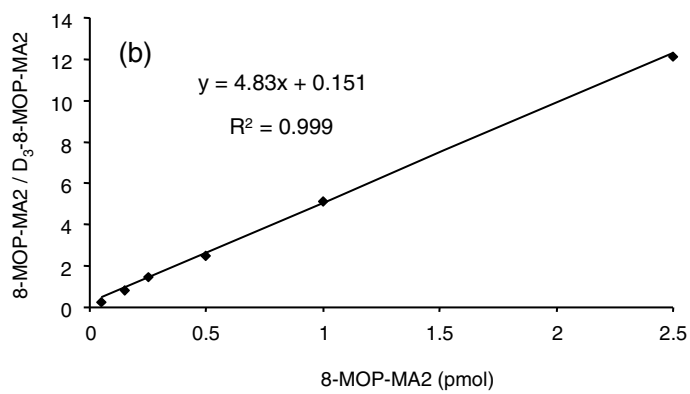
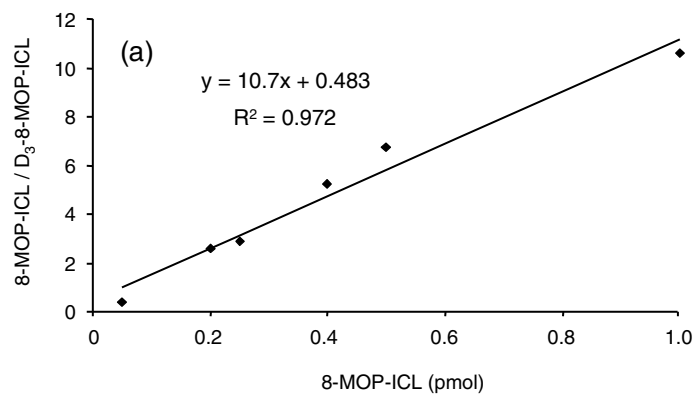


Figure S4. Selected-ion chromatograms (SICs) for S59-MA-containing dinucleotide in the digestion mixtures of DNA isolated from S59-treated cells.



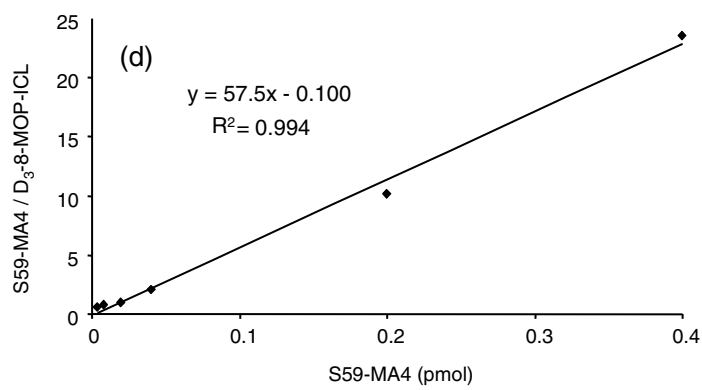
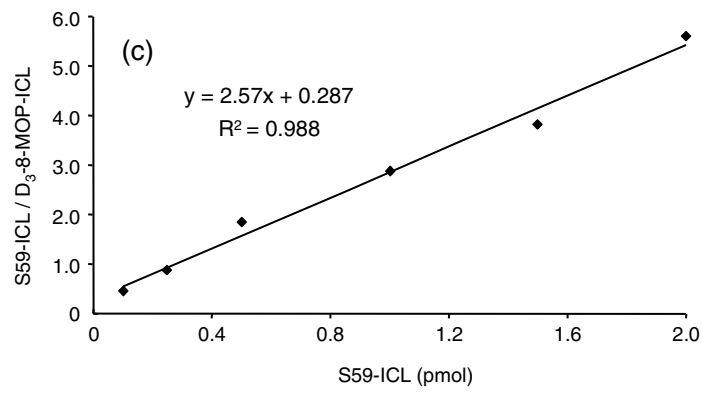


Figure S5. Calibration curves for the quantifications of 8-MOP-ICL (a), 8-MOP-MA2 (b), S59-ICL (c), S59-MA4 (d).

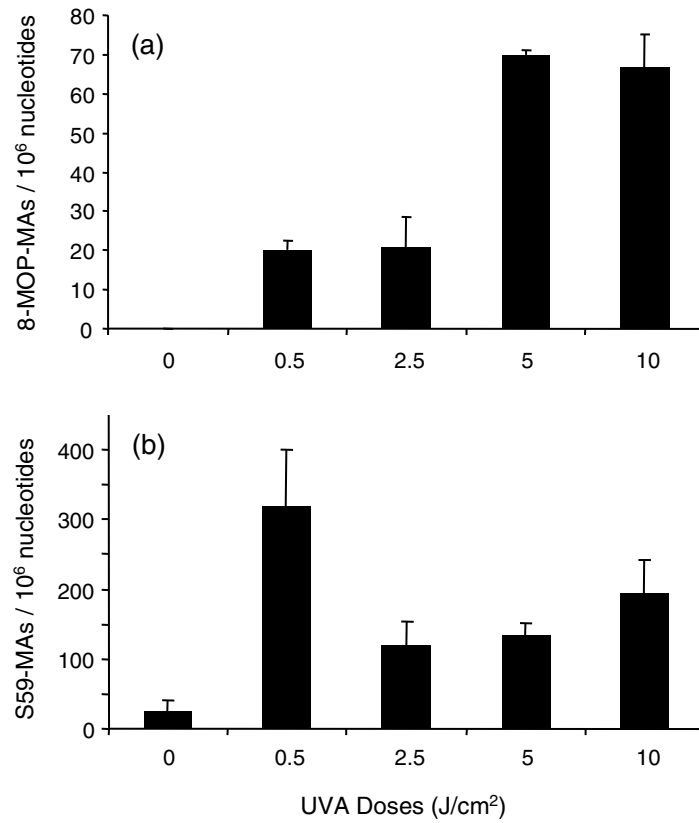


Figure S6. The dose-dependent formation of total 8-MOP-MAs (a) and S59-MAs (b) in WM-266-4 cells. The data represent the means and standard deviations of the results from three independent cell culture and drug treatments.