Cross-Linked Thymine-Purine Base Tandem Lesions: Synthesis, Characterization and Measurement in γ-Irradiated Isolated DNA

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(**Supporting Information**

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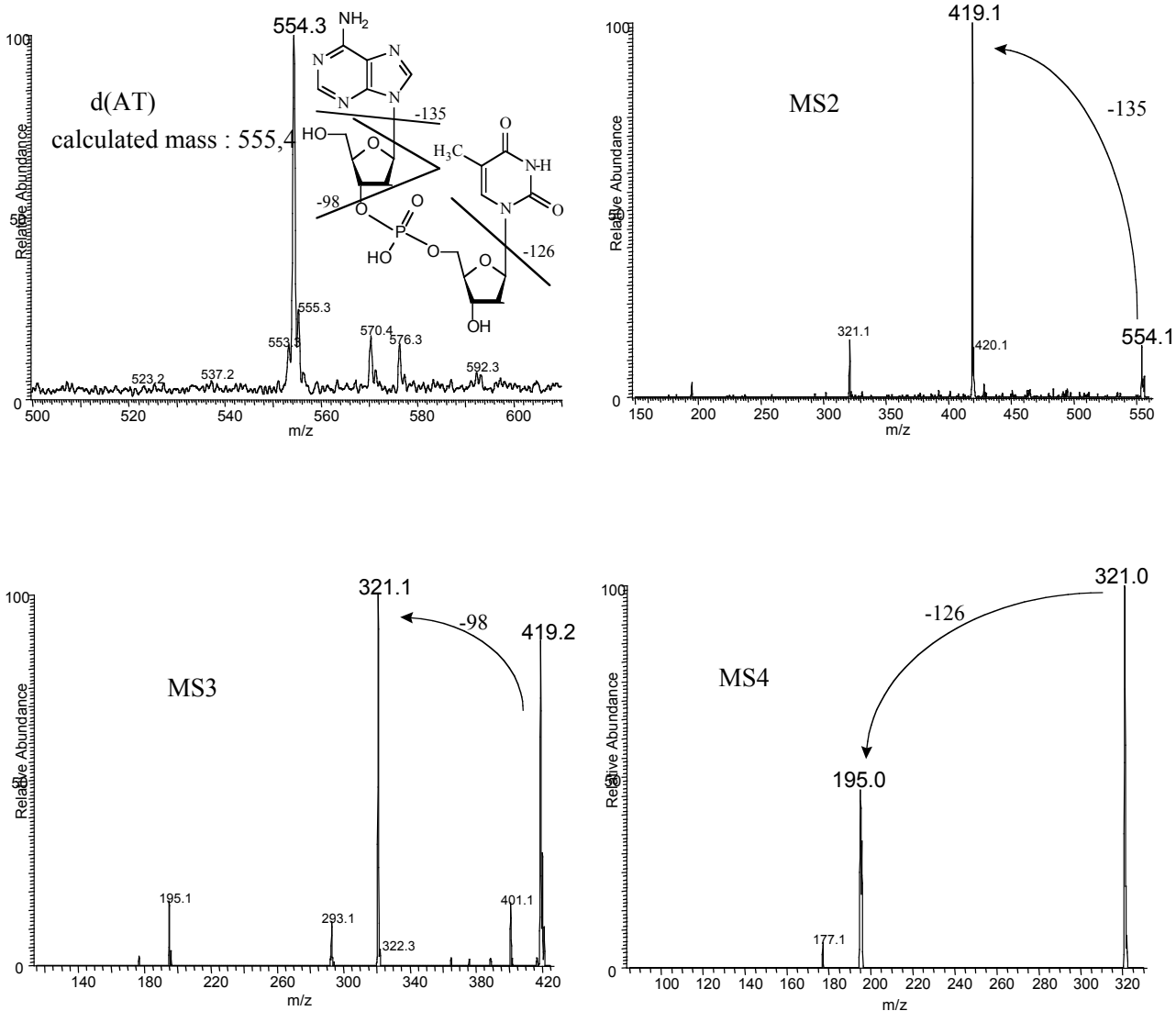
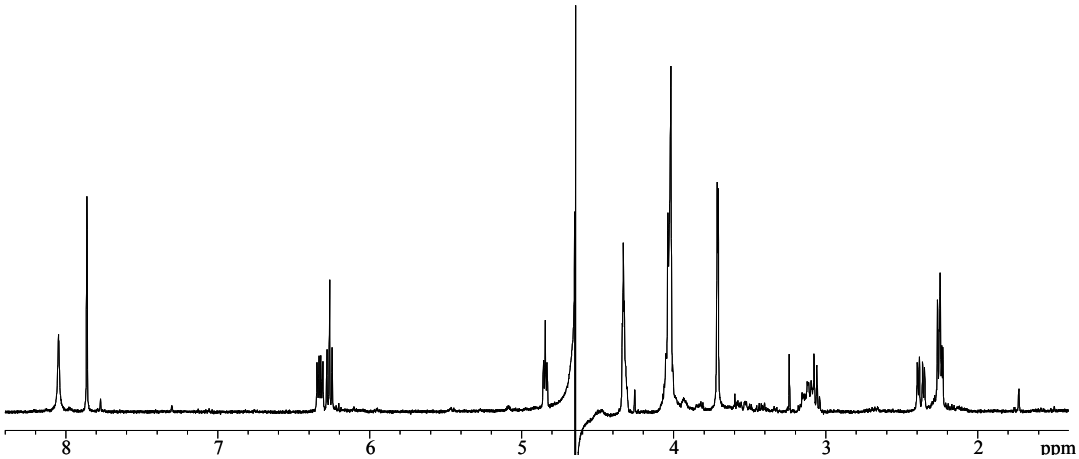
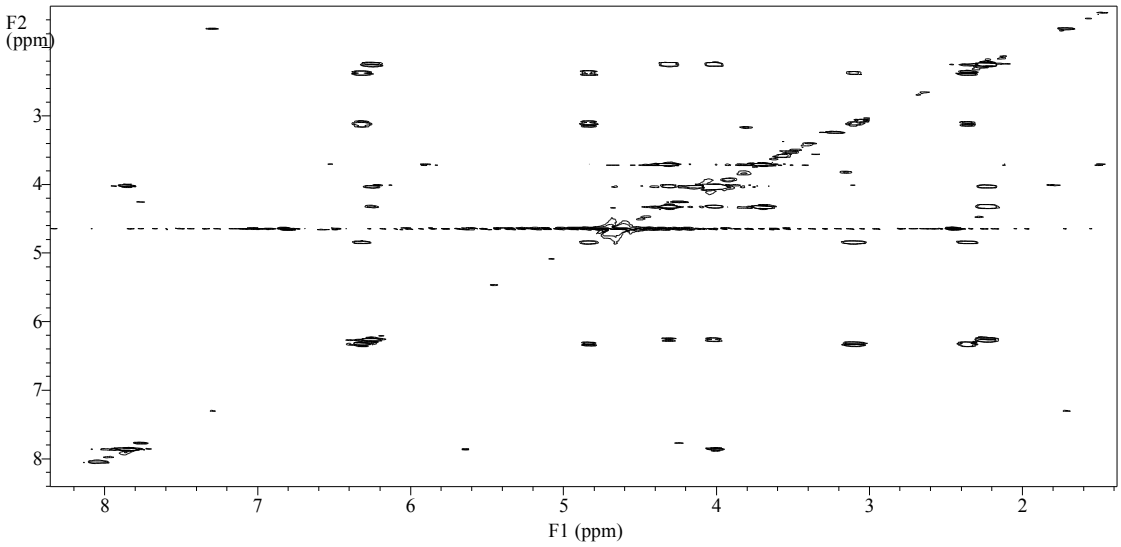
ESI-MS and ESI-MS/MS spectra (in the negative mode) of 5’-d(AT)-3’

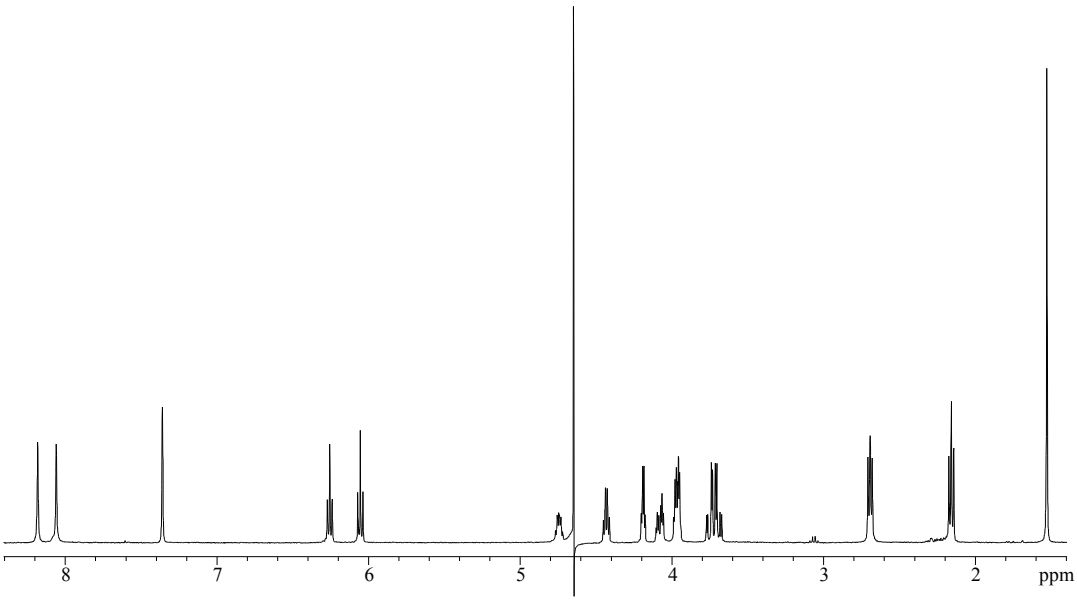


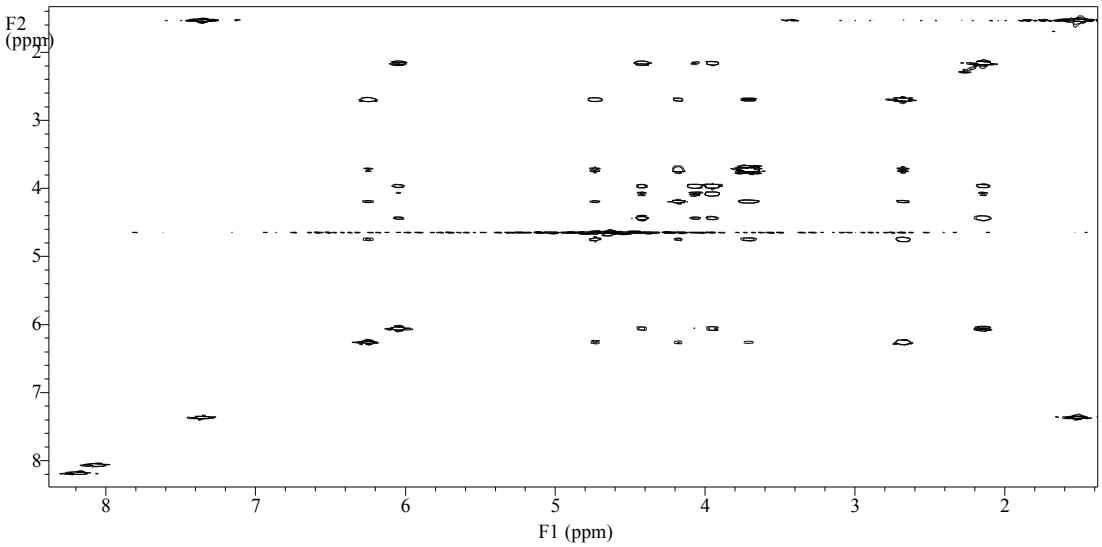
400 MHz ^{1}H NMR 1D and 2D TOCSY spectra of d(A^T) in D_2O





400 MHz ^{1}H NMR 1D and 2D TOCSY spectra of d(AT) in D_2O





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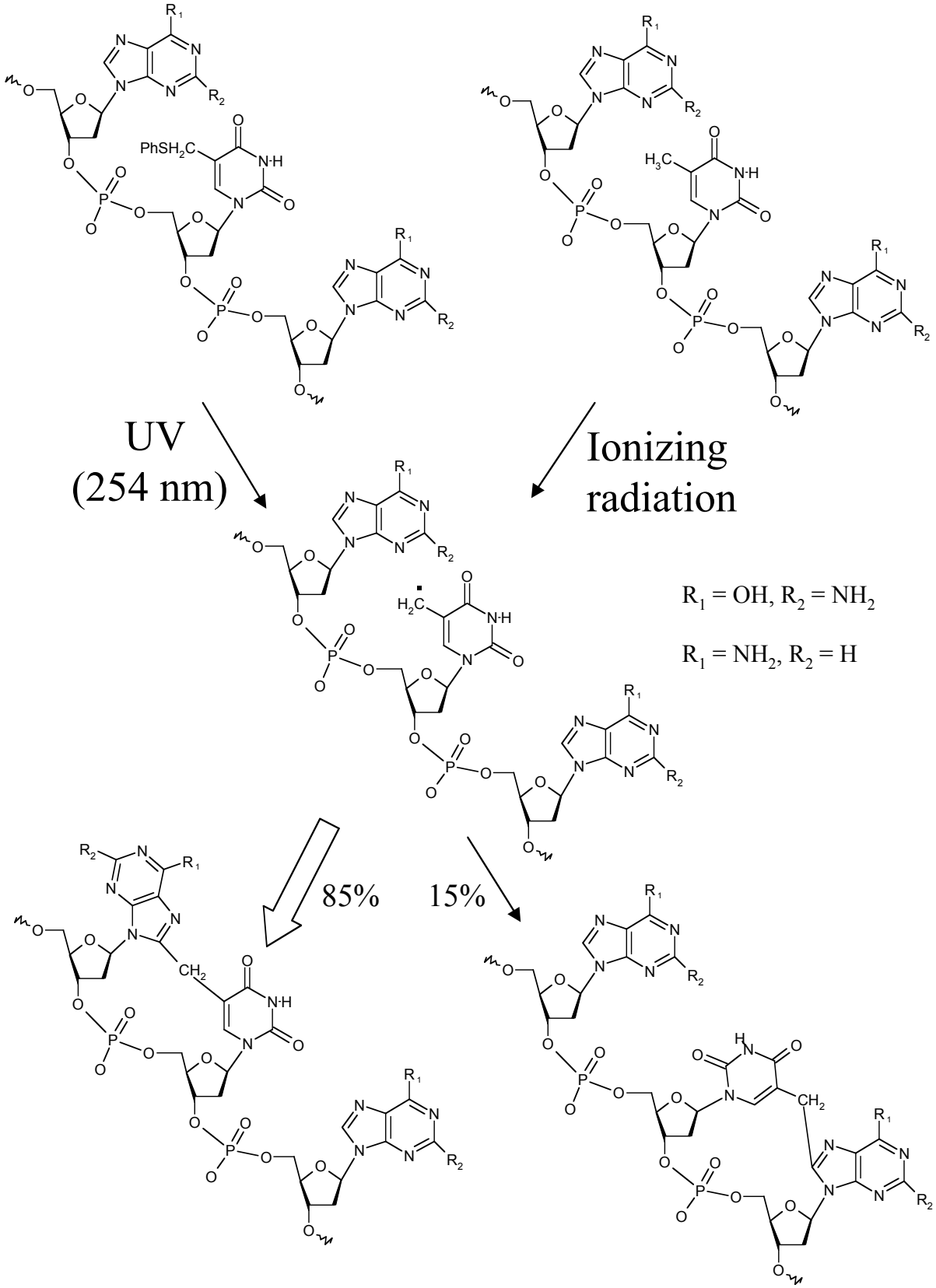
Radiation-induced formation of the cross-linked thymine-purine base tandem lesions


UV
(254 nm)
Ionizing
radiation
85%
15%
R_1 = OH, R_2 = NH_2
R_1 = NH_2, R_2 = H