Supplementary Materials: DNA Interaction Studies of Selected Polyamine Conjugates

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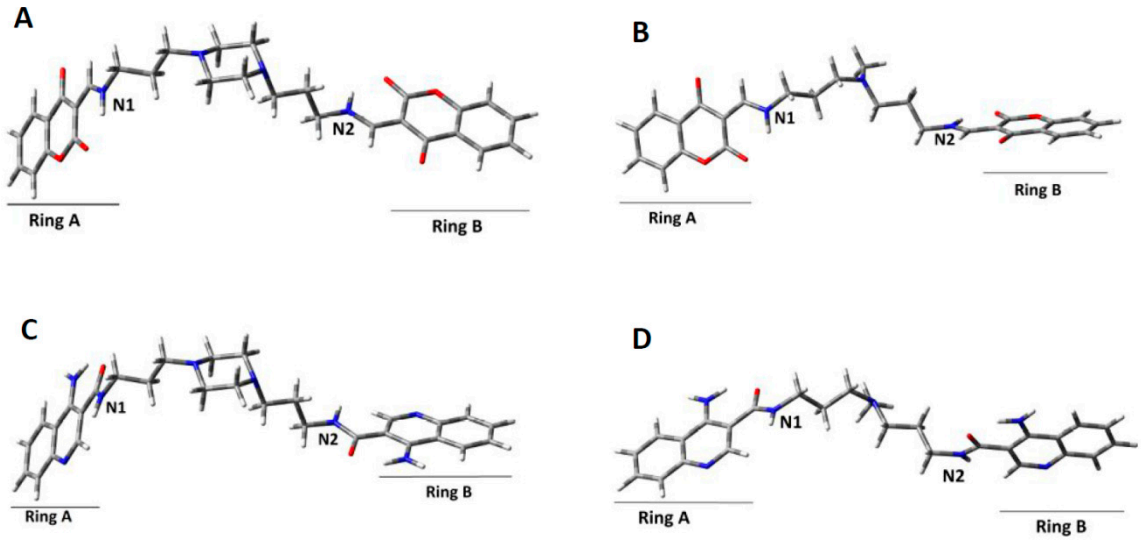
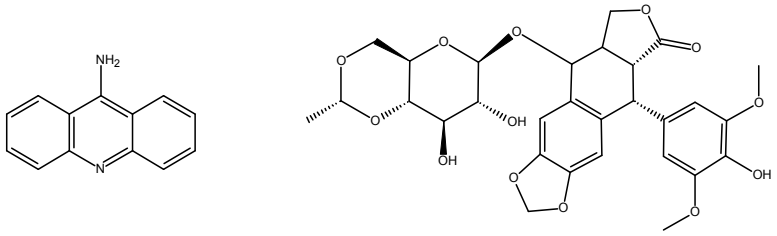


Figure S1. Spatial geometries of compounds: **1a** (**A**), **1b** (**B**), **2a** (**C**), **2b** (**D**). The structures have been optimized at the B3LYP/6-31G level of theory in the gaseous phase.

Table S1. The distances between terminal nitrogen atoms (N1 and N2) and charge distribution over aromatic rings (Ring A and B) in examined compounds obtained by calculation at the B3LYP/6-31G level of theory in the gaseous phase.

Compound	N1-N2 Distance in (Å)	Charge Distribution	
		Ring A	Ring B
1a	10.939	−0.6465	−0.6336
1b	9.271	−0.6419	−0.6366
2a	11.033	−0.1899	0.5998
2b	9.306	−0.1692	0.6179



9-Aminoacridine (9-AA) **Etoposide**

Figure S2. Chemical structure of reference compounds.

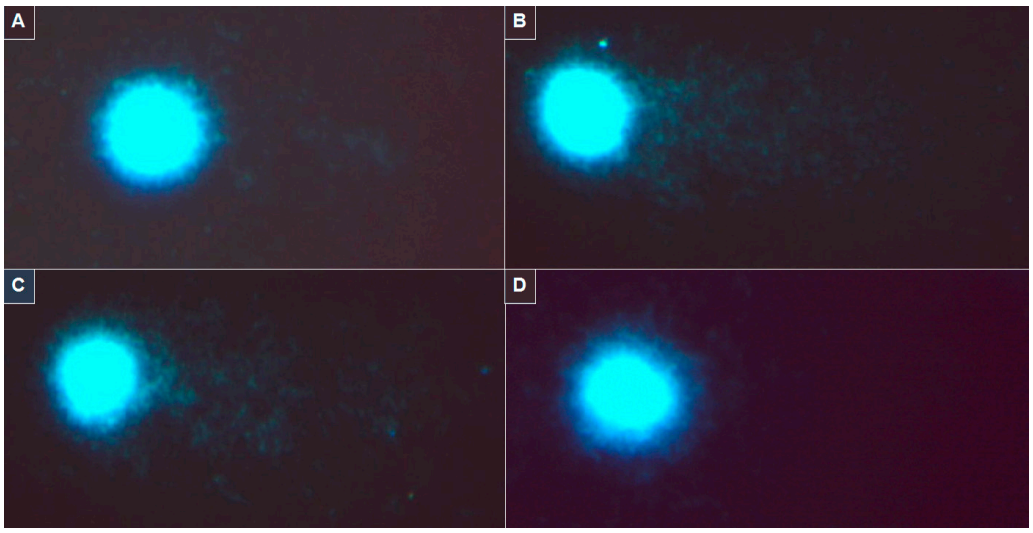


Figure S3. The representative pictures of comet assay. MOLT-4 comets from cells (control without H_2O_2 (**A**)) exposed to **2a** at the concentration of 5 μM (**B**), 10 μM (**C**) and 15 μM (**D**) after prior incubation with H_2O_2.