ERRATUM

NMR analysis of duplex $d(CGCGATCGCG)_2$ modified by Λ - and Δ - $[Ru(bpy)_2(m\text{-}GHK)]Cl_2$ and DNA photocleavage study

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The original article was published with errors.

1. On page 11 it must read:

Photocleavage of a 158-bp DNA fragment A 158-bp HindIII/NdeI restriction fragment of pSP73 plasmid was used to evaluate potential sequence selectivity in DNA photocleavage by the Ru compounds. The reaction conditions were similar to those in previous experiments. Reaction volumes were reduced to 5 μL and the irradiation time was prolonged (2 and 4 h; for more details see "Materials and methods"). Figure 6 shows a comparison of the cleavage patterns of Λ -[Ru(bpy)₂(m-GHK]Cl₂ and Δ -[Ru(bpy)₂(m-GHK]Cl₂ (the DNA duplex was 3′-labeled on the top strand). It can be seen that both

diastereomers produce very similar cleavage patterns. The cleavage patterns of the duplex, labeled on the bottom strand, by $\Lambda\text{-}[Ru(bpy)_2(m\text{-}GHK]Cl_2$ and $\Delta\text{-}[Ru(bpy)_2(m\text{-}GHK]Cl_2$ are shown in Fig. 7. From Figs. 6 and 7, it is obvious that guanine residues are the main target of oxidation and cleavage by the Ru(II) complexes. [...]

2. On page 13 it must read:

Figure 8 has been deleted.

3. On page 13, the last sentence in "Conclusions" must read:

The possible DNA-bending ability and the DNA cleavage observed are important features of these complexes which can be exploited in future applications regarding regulation of cell functions and photodynamic therapy.

4. In "Acknowledgements" the grant number must read:

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