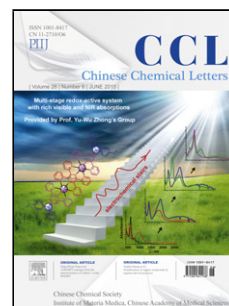


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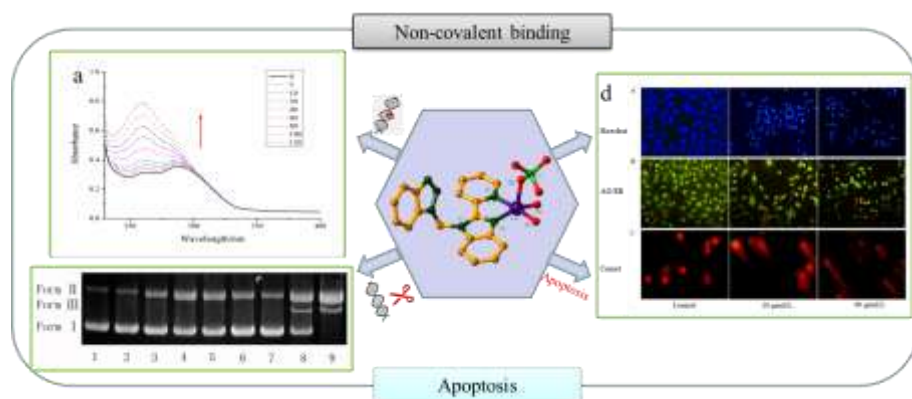
Graphical Abstract

Synthesis, chemical nuclease activity, and *in vitro* cytotoxicity of benzimidazole-based Cu(II)/Co(II) complexes

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Mono/di-nuclear Cu(II)/Co(II) complexes with a nitrogen heterocyclic benzimidazole-based ligand, Cu(p-2-bmb)(OH)(ClO₄) (**1**) and Co₂(p-2-bmb)₂Cl₄ (**2**) were synthesized and characterized. The chemical nuclease activity, and *in vitro* cytotoxicity studies in this paper showed benzimidazole-based metal complexes could be potential anti-cancer agents.

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