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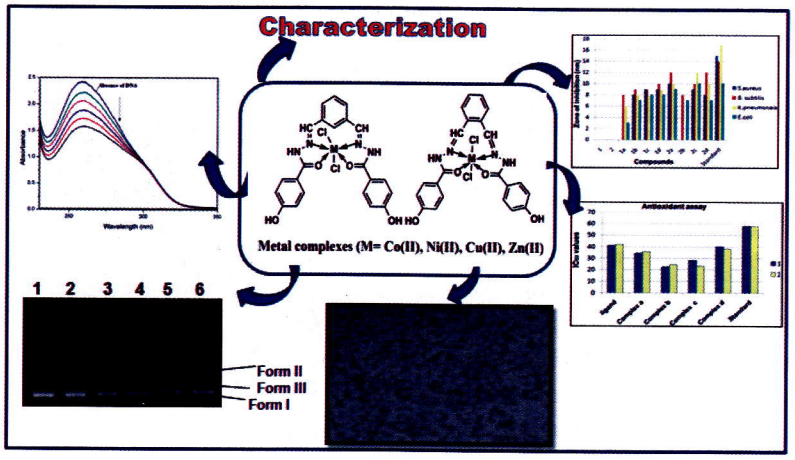

$$[(en)(dien)Co^{III}(O_2)Co^{III}(en)(dien)]^{5+} + PhCH_2NHOH \xrightarrow[\text{slow}]{k(\text{PCET})} [(en)(dien)Co^{III}\text{-}O\text{-}O\text{-}Co^{III}(en)(dien)]^{5+} + PhCH_2HNO^{\bullet}$$

(1) (2)

and

$$[(en)(dien)Co^{III}(O_2)Co^{III}(en)(dien)]^{5+} + PhCH_2HNO^{\bullet} \xrightarrow{\text{fast (ET)}} [(en)(dien)Co^{III}\text{-}O\text{-}O\text{-}Co^{III}(en)(dien)]^{5+} + PhCH_2NO$$

(1) (2)

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