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Title: Synthesis and kinetics of photochromic carboxy-substituted dithizonatophenylmercury(II)

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# Synthesis and kinetics of photochromic carboxy-substituted dithizonatophenylmercury(II)

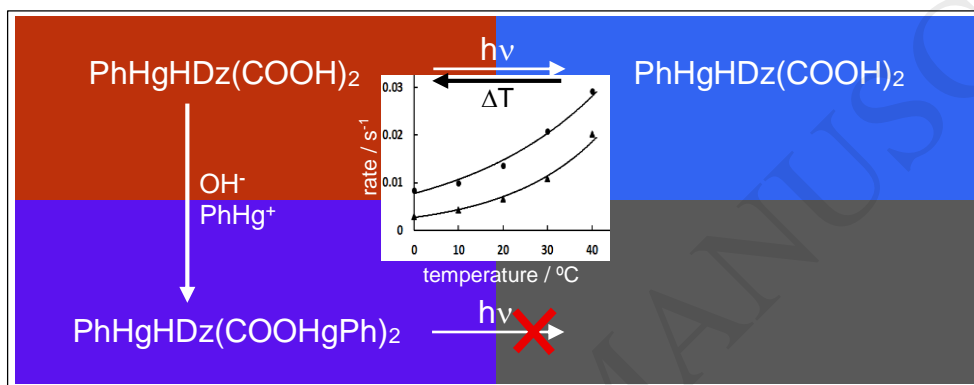
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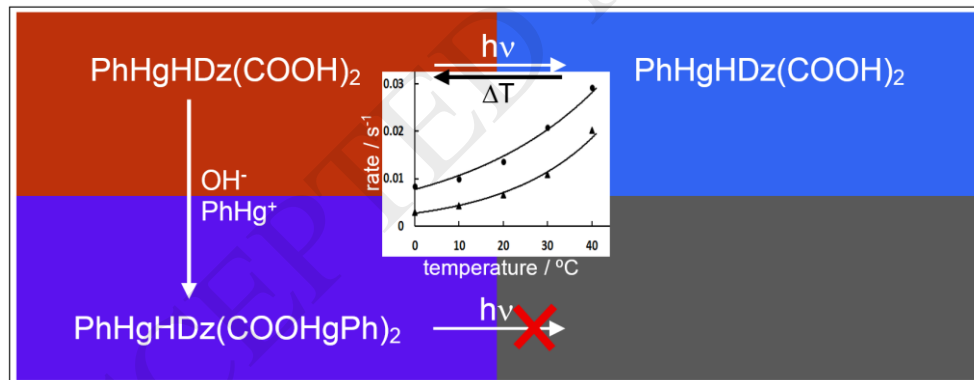
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## GRAPHICAL ABSTRACT

MS-WORD:



PICTURE:



## HIGHLIGHTS

- Water-soluble dithizones and complex syntheses are presented.
- The first example of a single dithizone ligand complexed with three metals is reported.
- The crystal structure of the nitroformazan carboxylic acid intermediate is determined.
- The effect of solvent, concentration and temperature on the kinetics of the photochromic back reaction for the single-metal Hg complex is reported.

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