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ERRATUM

Erratum to: Design of Mn porphyrins for treating oxidative stress injuries and their redox-based regulation of cellular transcriptional activities

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In the original version of Fig. 4, the two bars representing SOD deficient and SOD proficient in "Aerobic Growth of *E. coli*" were misplaced. The corrected figure is produced in the following page. In Fig. 4 legend, "cytosolic Cu,ZnSOD" is corrected to "cytosolic SODs".

The online version of the original article can be found under doi:10.1007/s00726-010-0603-6.

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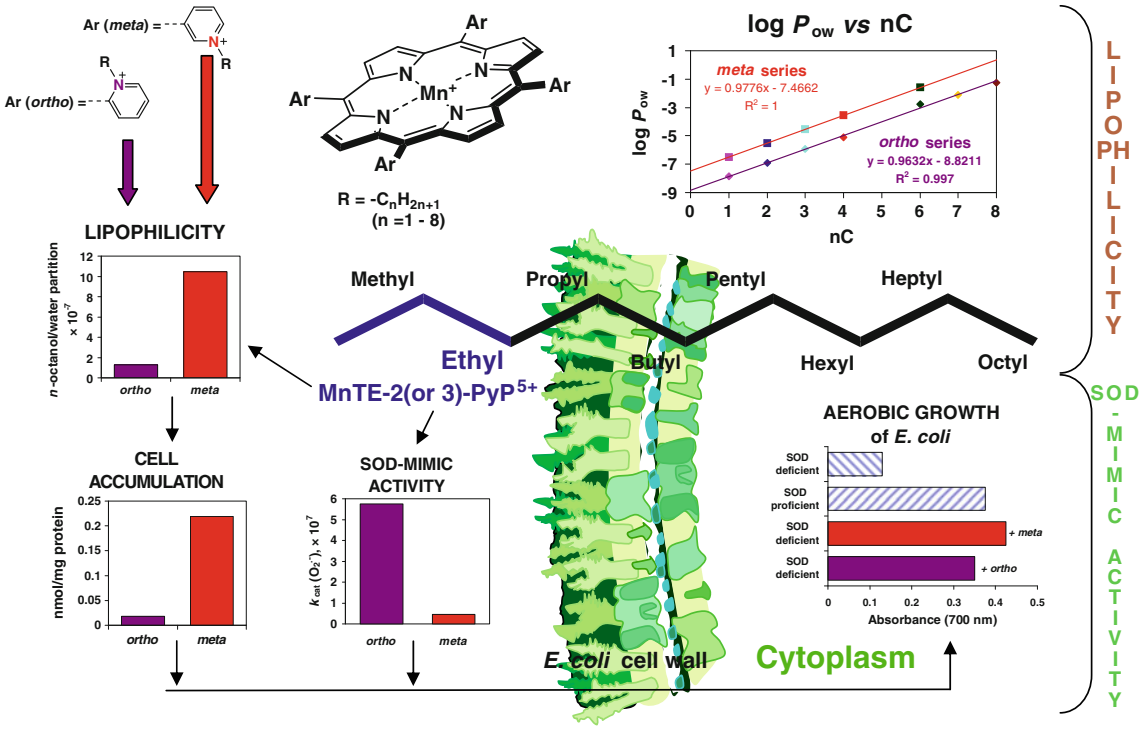

Fig. 4 Lipophilicity of MnPs increases tenfold by either (1) lengthening alkyl chains by each additional carbon atom, or (2) shifting alkyl groups from *ortho* (2) to *meta* (3) positions. The tenfold increased lipophilicity of *meta* ethyl analog, MnTE-3-PyP^{5+}, resulted in its tenfold higher accumulation in the cytosol of *E. coli* as compared to *ortho* isomer, MnTE-2-PyP^{5+}. Such enhanced accumulation compensated for a tenfold lower ability of MnTE-3-PyP^{5+} to dismute $O_2^{\bullet-}$. In turn both isomers were equally able to substitute for the lack of cytosolic SODs when *E. coli* grew in aerobic medium (Kos et al. 2009a, b)