

Comparison of Characteristics and DNzyme Activity of G4-Hemin Conjugates Obtained via Two Hemin Attachment Methods

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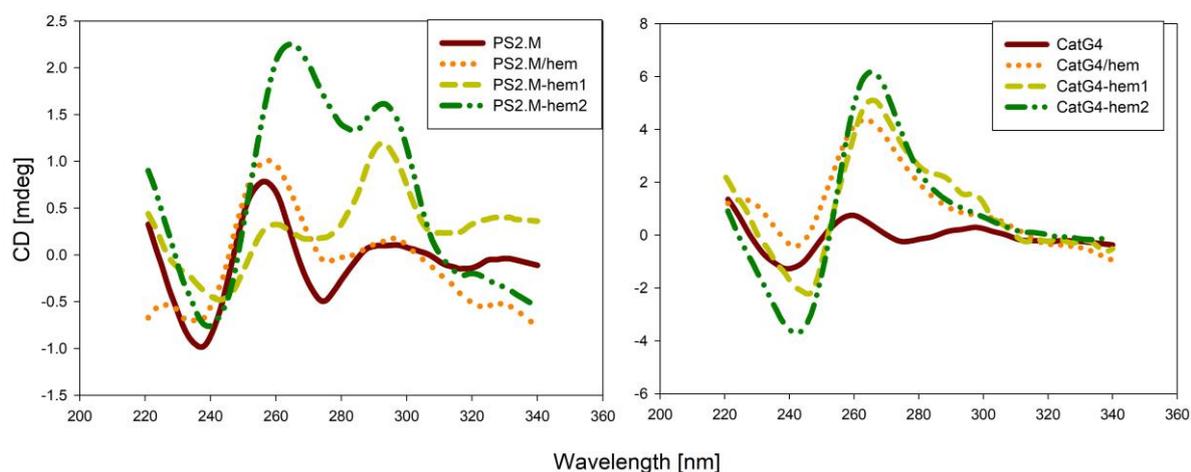


Figure S1. CD spectra of studied systems without cation presence.

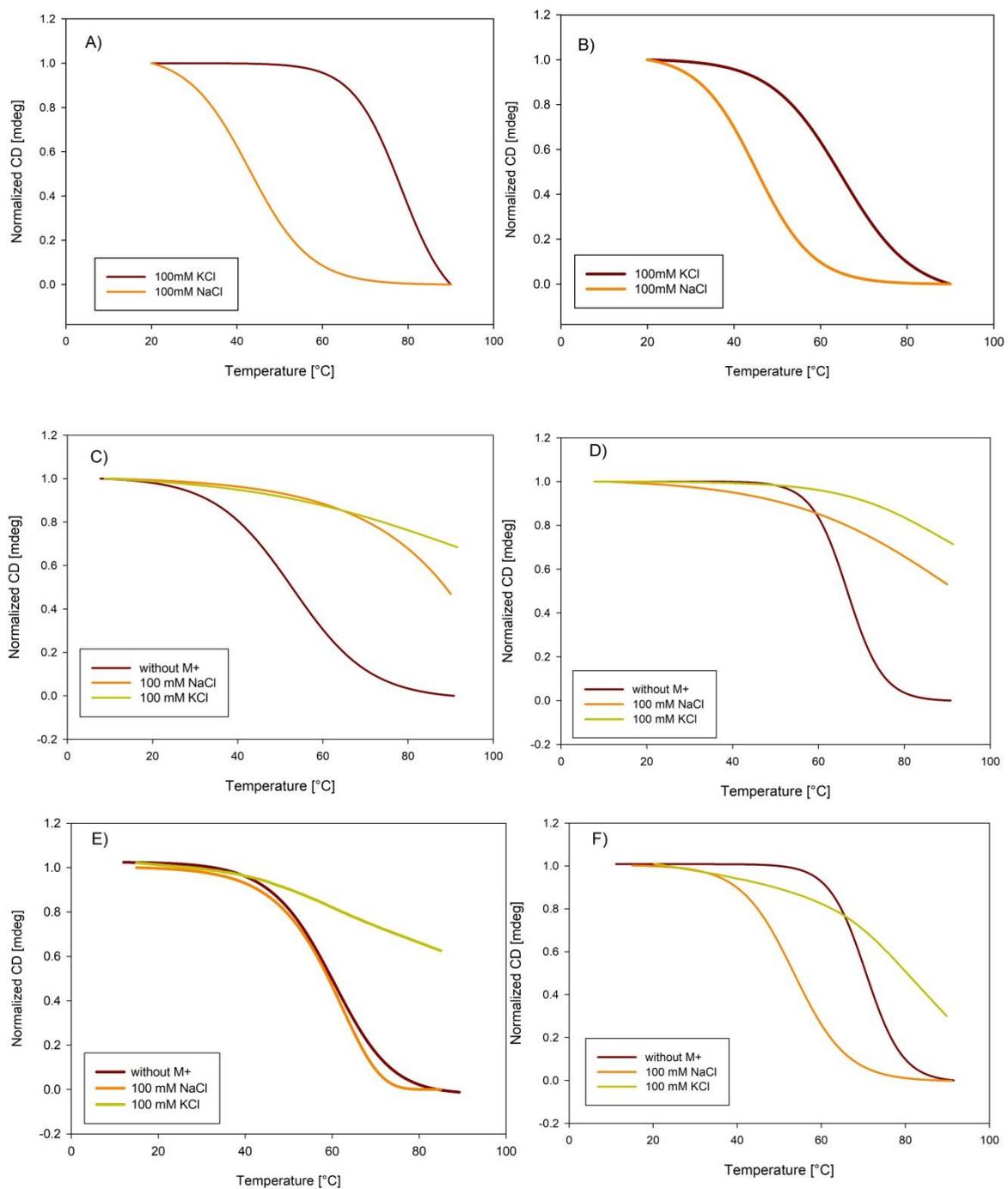


Figure S2. Melting profiles of studied systems: A) PS2.M/hem complex, B) CatG4/hem complex, C) PS2.M-hem1 conjugate, D) CatG4-hem1 conjugate, E) PS2.M-hem2 conjugate, D) CatG4-hem2 conjugate).

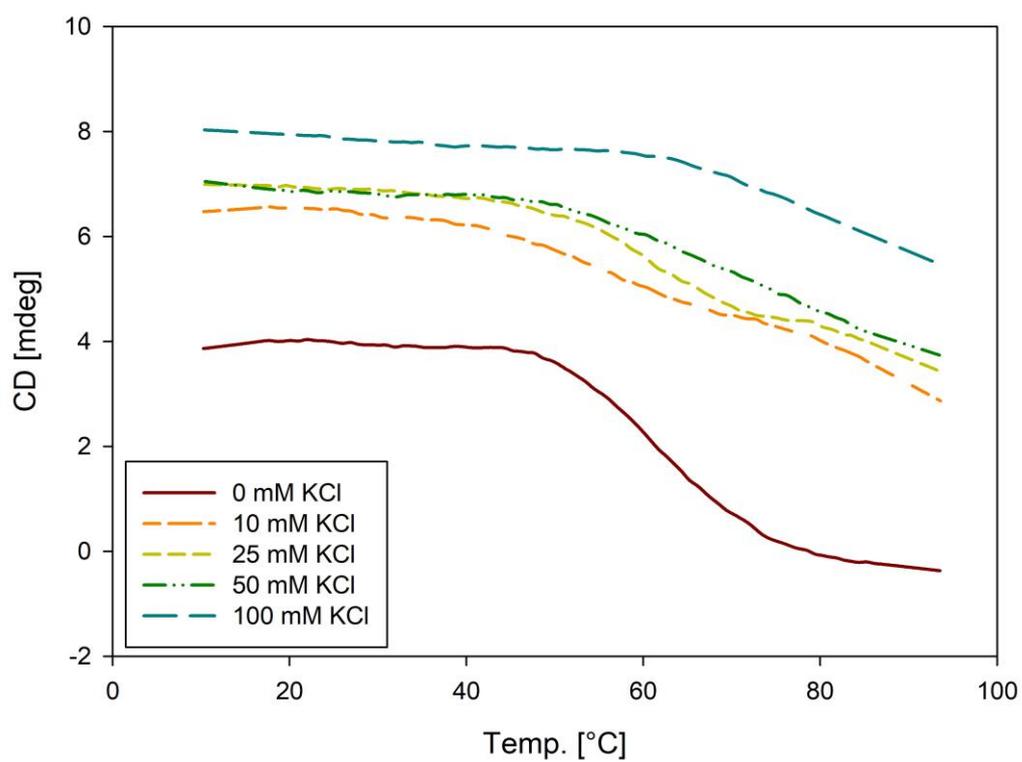


Figure S3. Melting profile of CatG4-hem1 in various KCl concentration.

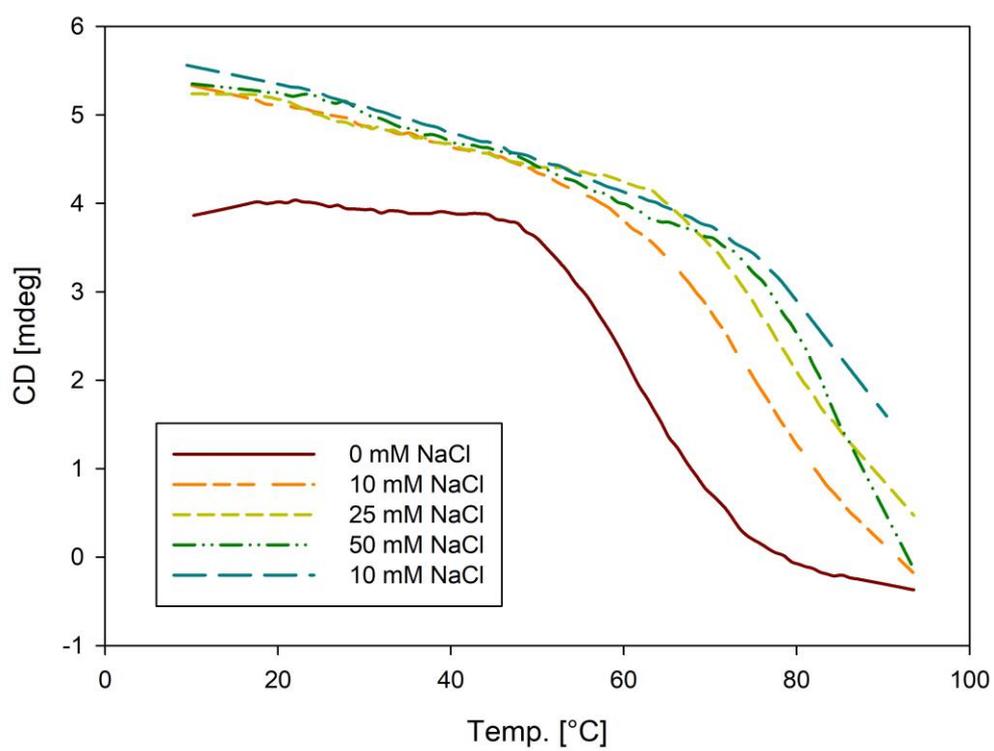


Figure S4. Melting profile of CatG4-hem1 in various NaCl concentration.

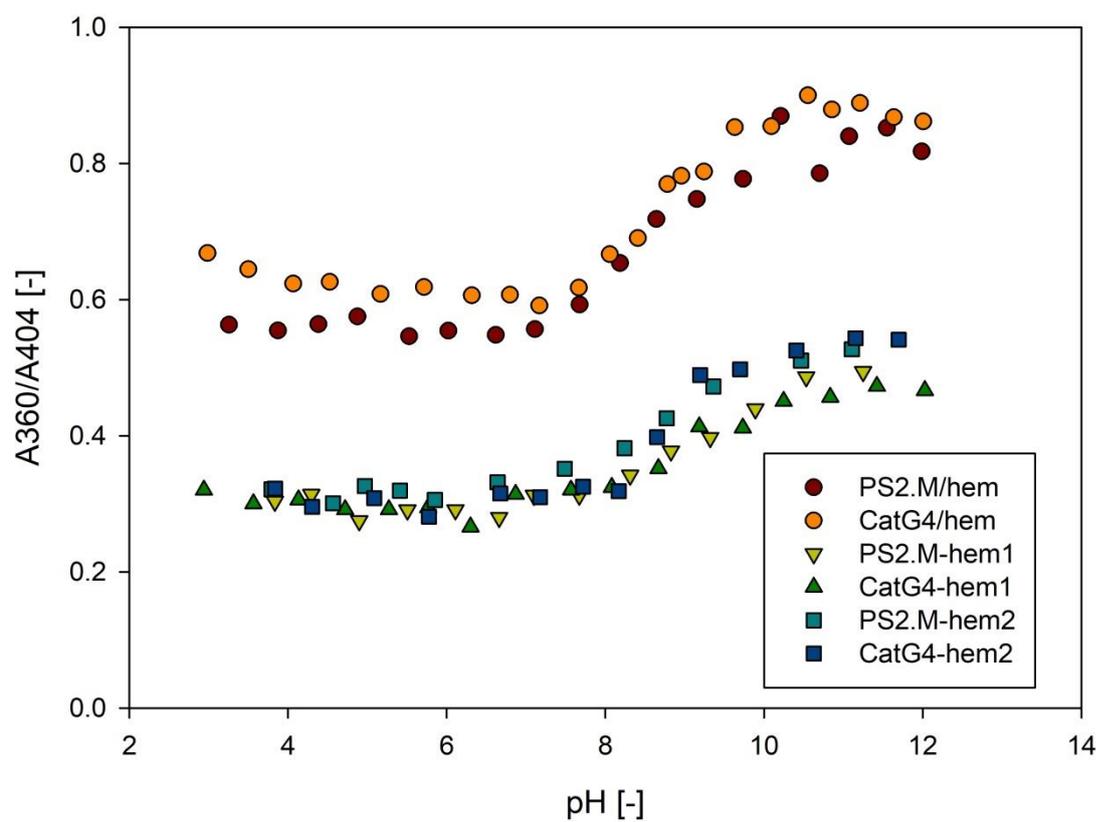


Figure S5. Determination of pKa values. Plots of A_{360}/A_{404} ratio against pH for studied systems.

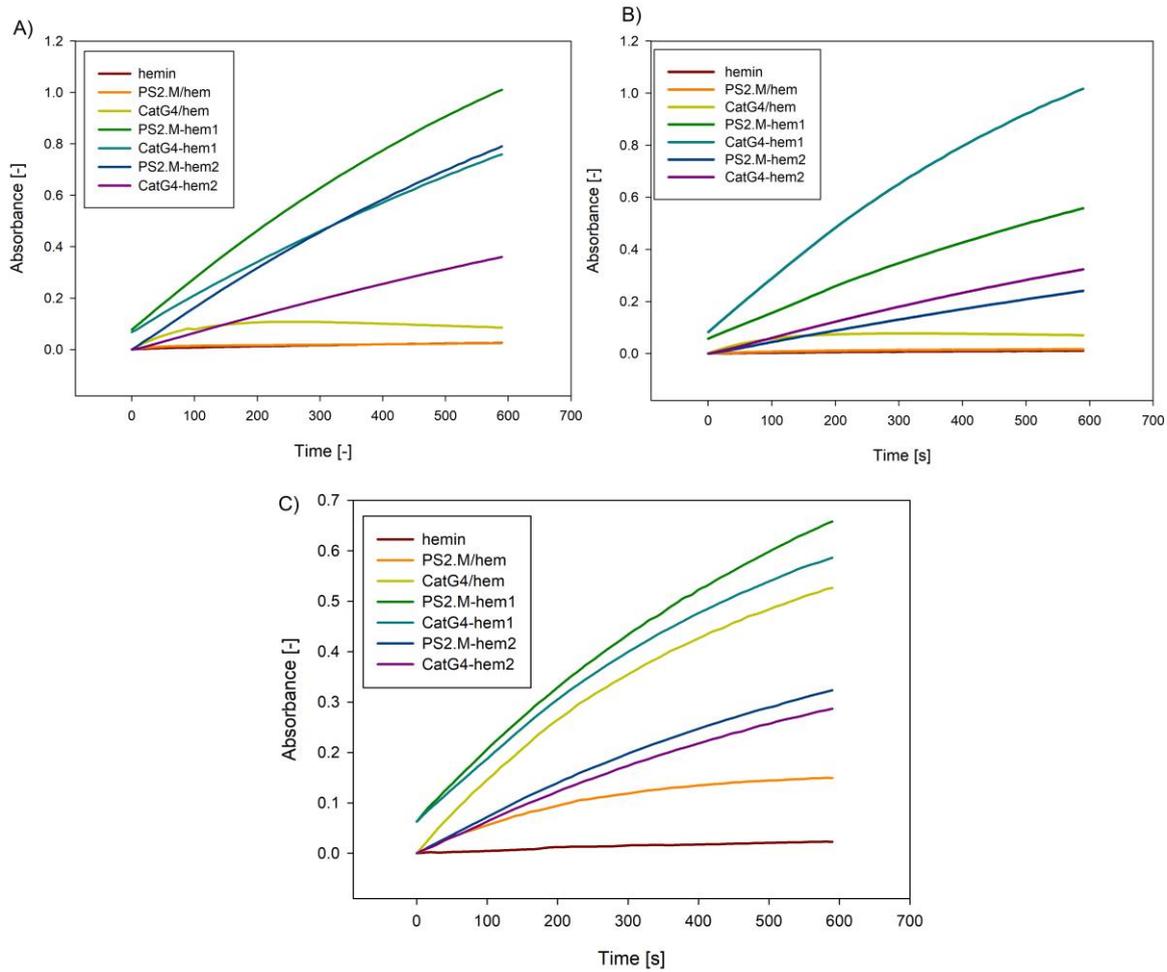


Figure S6. Catalytic profiles of ABTS oxidation in various cationic conditions: A) without cations, B) 100 mM NaCl, C) 100 mM KCl.

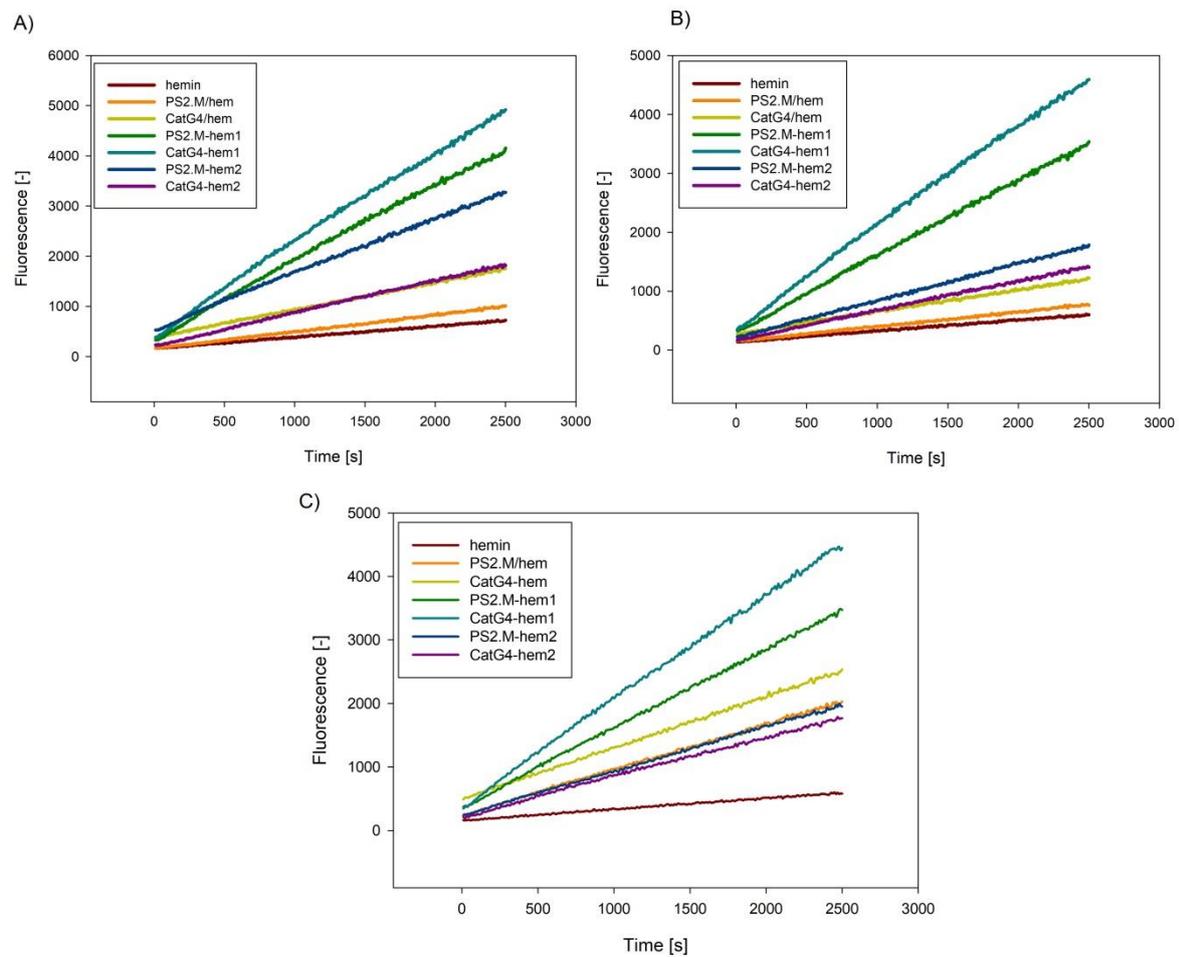


Figure S7. Catalytic profiles Amplex Red oxidation to resorufine in various cationic conditions: A) without cations, B) 100 mM NaCl, C) 100 mM KCl.