RSC Advances

CORRECTION

Correction: Nano-micellar Zn(Cys)$_2$ complex mimics the chloroperoxidase active site

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Correction for 'Nano-micellar Zn(Cys)$_2$ complex mimics the chloroperoxidase active site' by Mohammad M. Akbarzadeh et al., RSC Adv., 2016, **6**, 12081–12083.

The author regrets that in the ESI of the original article the data presented in Fig. 3S, and consequently the thermodynamic parameters listed in Table 3S, are incorrect because the ITC plot does not contain a subtraction for the buffer. Corrected versions of Fig. 3S and Table 3S are presented herein, of particular note are the recalculated values for N, the K_a, ΔH, ΔG and ΔS.
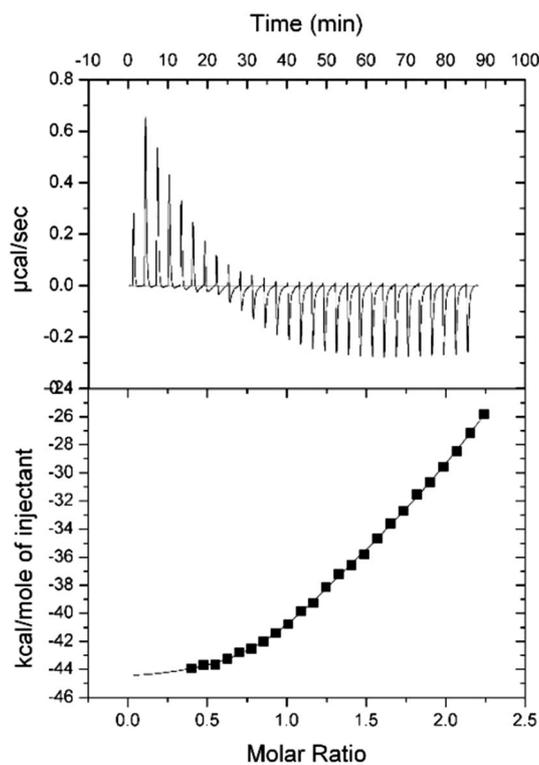

Fig. 3S ITC plot obtained from injection of Zn(Cys)$_2$ complex into the micellar CTAB/SDS solution after subtraction of the buffer diluting plot.

Table 3S Thermodynamic parameters obtained from ITC

Reaction	N	K_a	ΔH (kJ mol^{-1})	ΔG (kJ mol^{-1})	ΔS (kJ mol^{-1} K^{-1})
Addition of Cys to Zn^{2+} solution at pH 3	1.06	2.46×10^6	-187.6	-50.66	0.50

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As a result of the above changes, the ΔH value reported in the sentence beginning "These results show that Zn complex has a strong interaction…" in the main article is also herein revised to $\Delta H = -187.6$ kJ mol^{-1}.

The author would also like to amend the Acknowledgements section; an updated version is therefore included below.

The Royal Society of Chemistry apologises for these errors and any consequent inconvenience to authors and readers.

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