Inorganic Chemistry

Addition/Correction

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Correction to Photochemical Reactivity of the Iron(III) Complex of a Mixed-donor, α-Hydroxy Acid-Containing Chelate and Its Biological Relevance to Photoactive Marine Siderophores

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Page 5781. In the Abstract, the fourth sentence should read "The quantum yields, 2−13% in the UVA and UVB ranges, are higher for complexes with electron-withdrawing X groups than for those with electron-donating X groups."

Page 5785. Due to the omission of a dilution factor in the calculation of quantum yields, the reported values were 8-fold lower than the correct values. The correct Φ values are listed in the revised Table 1. Consequently, other changes should be made in the Discussion section as follows.

Page 5786. In the Discussion section, the last sentence of the fourth paragraph should read "In the UVA and UVB wavelength ranges, the quantum yields for the different complexes range from around $\Phi = \Phi_L = {}^1/_2\Phi_{Fe}$ = 2−13%."

Table 1. Quantum Yields for Irradiation of the $[Fe_3(X\text{-Sal-AHA})_3(\mu_3\text{-}OCH_3)]^-$ Complexes with Different Wavelength Ranges[a]

	UVB			UVA			LZC-420		
X	Φ_{Fe}	Φ_L	Φ	Φ_{Fe}	Φ_L	Φ	Φ_{Fe}	Φ_L	Φ
5-NO_2	31.4 ± 0.6	10.4 ± 1.1	13.1	30.0 ± 0.3	12.0 ± 0.6	13.5	16.2 ± 1.5	6.4 ± 1.7	7.2
3,5-diCl	19.4 ± 1.7	10.4 ± 1.7	10.1	18.7 ± 2.2	8.4 ± 2.1	8.9	6.4 ± 1.1	2.4 ± 0.1	2.8
all-H	8.7 ± 1.9	5.6 ± 1.1	5	7.7 ± 1.6	4.8 ± 0.4	4.3	3.8 ± 0.4	1.6 ± 0.4	1.8
3-OCH_3	12.0 ± 0.3	5.6 ± 1.4	5.8	10.2 ± 1.2	6.4 ± 1.1	5.8	4.9 ± 0.9	1.6 ± 0.2	2

[a]Φ is the average of the values for Φ_L and ${}^1/_2\Phi_{Fe}$, given in % yield.

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