

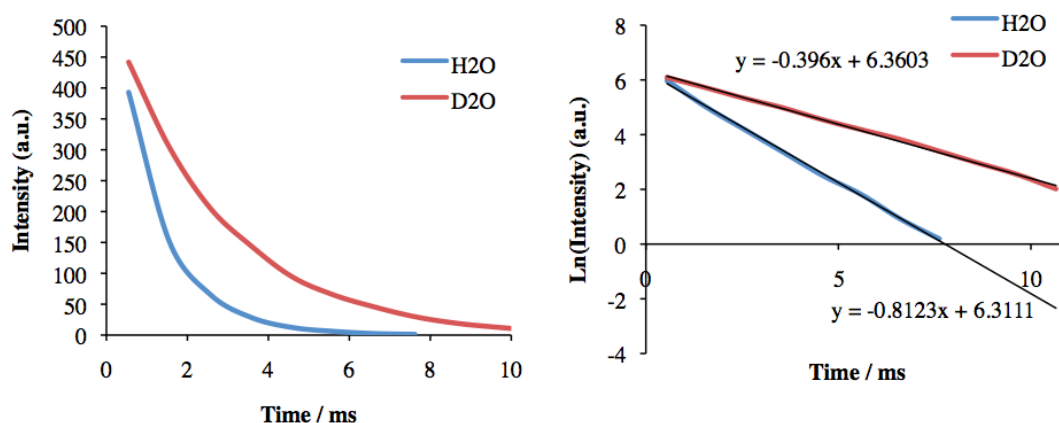
Lanthanide(III) Complexes of Rhodamine– DO3A Conjugates as Agents for Dual-Modal Imaging

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Tb.L1



Tb.L2

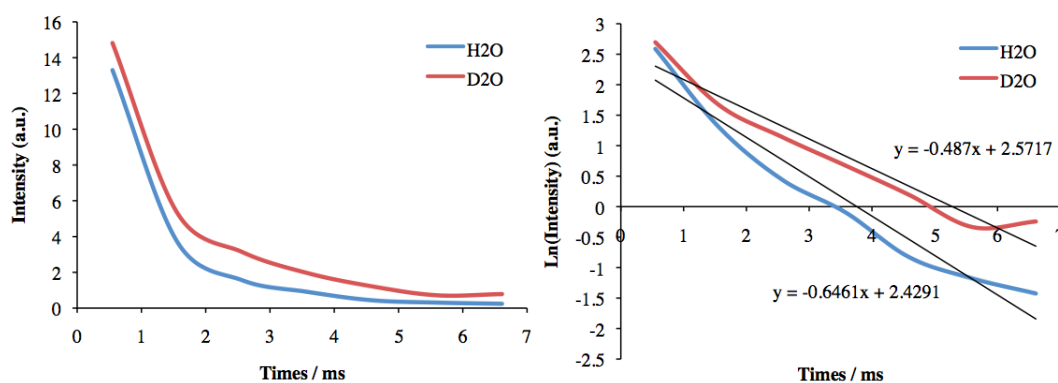


Table 1. Rate constants, k , and lifetimes, τ , observing radiative decay of the lanthanide excited state (at 545 nm) (298 K, 100 μ M complex) and derived hydration numbers, q .^a

Complex	$k_{\text{H}_2\text{O}} / \text{ms}^{-1}$	τ / ms	$k_{\text{D}_2\text{O}} / \text{ms}^{-1}$	τ / ms	q
Tb.L1 ^b	0.81	1.23	0.40	2.53	1.8
Tb.L2	0.65	1.55	0.49	2.05	0.8

^a Equations and plotting carried out as outlined in reference 1.

^b Experiments were carried out with small addition of methanol for solubility purposes.

¹ Beeby A.; Clarkson I.M.; Dickins R.S.; Faulkner S.; Parker D.; Royle L.; de Sousa S.A.; Williams J.A.G.; Woods M. *J. Chem. Soc., Perkin Trans. 2* **1999**, 493-503.