

Supporting Information

**A “Beheaded” TAML Activator: A Compromised Catalyst that Emphasizes the Linearity
between Catalytic Activity and pK_a**

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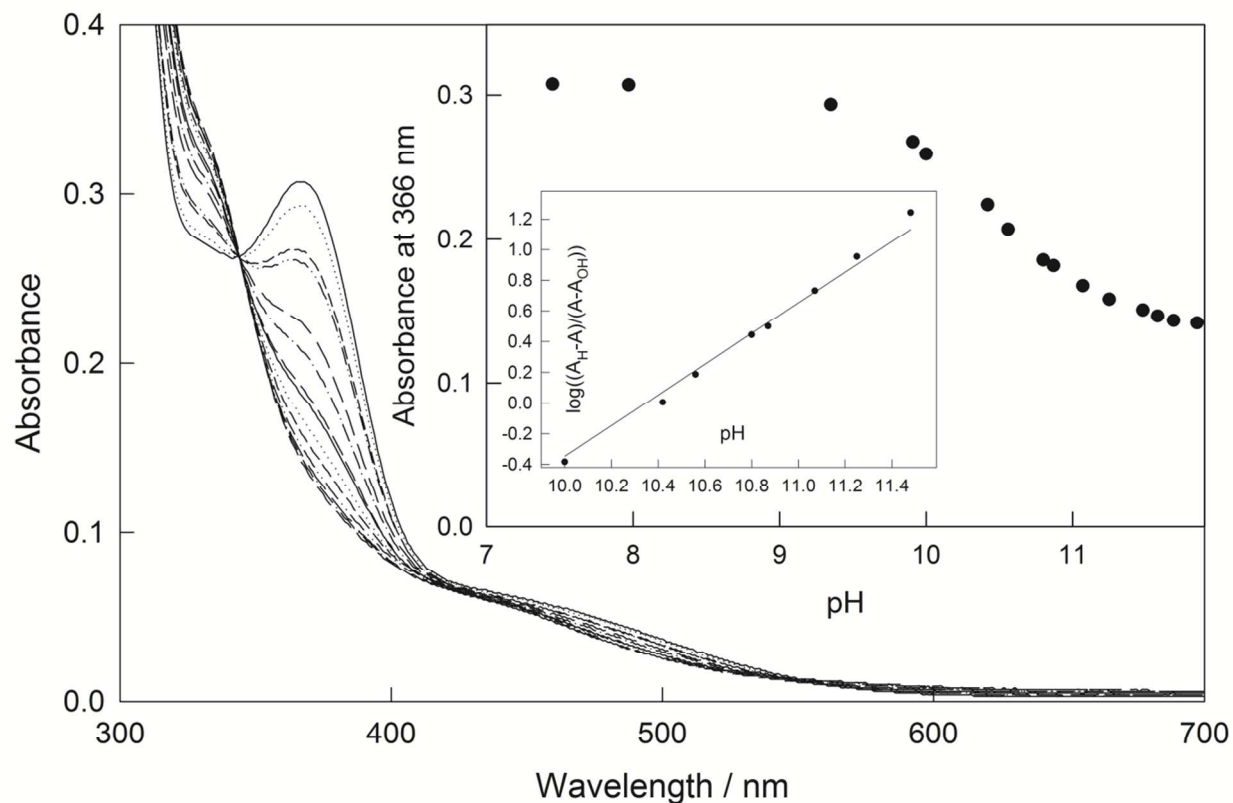


Figure S1. Titration of TAML Activator **1b**: spectral changes in the pH range of 7-12. Inset shows absorbance at 366 nm versus pH and linearization of the data using eq 2 in the main text. Conditions: 5×10^{-5} M **1b**, 25 °C, Carmody buffer. ^{S1}

References:

S1. Catalyst **1b** was synthesized according to this reference: Hangun, Y. Design and Study of Catalytic Activators of Hydrogen Peroxide Promising Rapid Efficient Petroleum Desulfurization and Bleaching Technologies. Ph.D. Thesis, Carnegie Mellon University, Pittsburgh PA, 2002.