

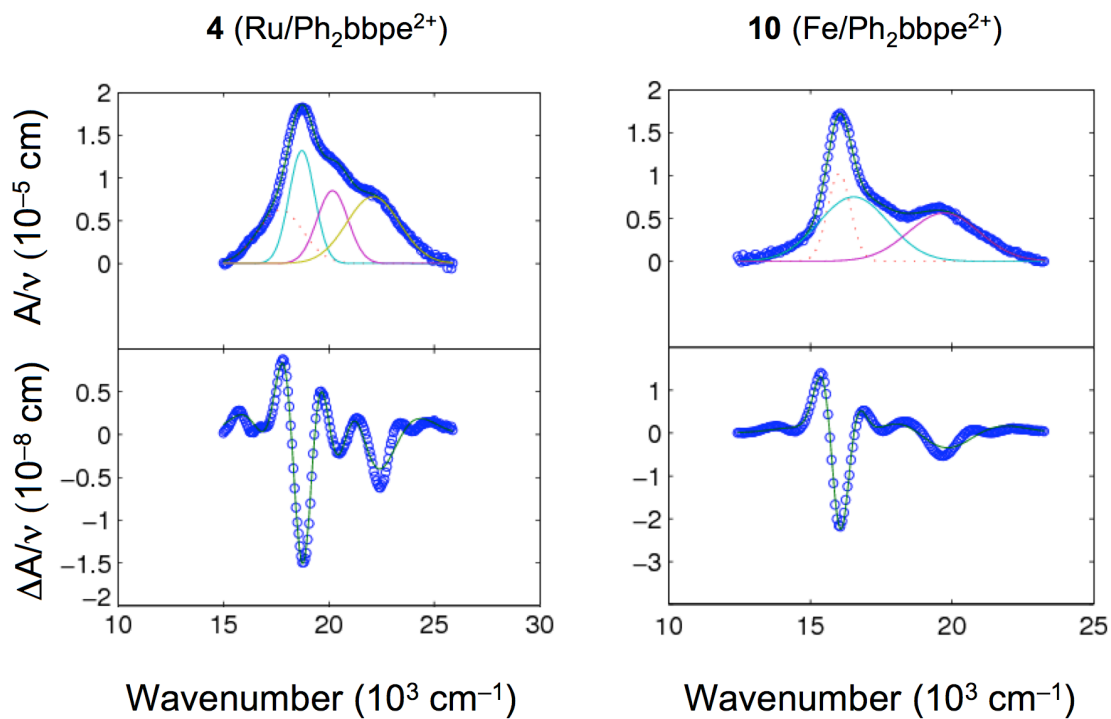
# Combining Very Large Quadratic and Cubic Nonlinear Optical Responses in Extended, Tris-Chelate Metallochromophores with Six $\pi$ -Conjugated Pyridinium Substituents

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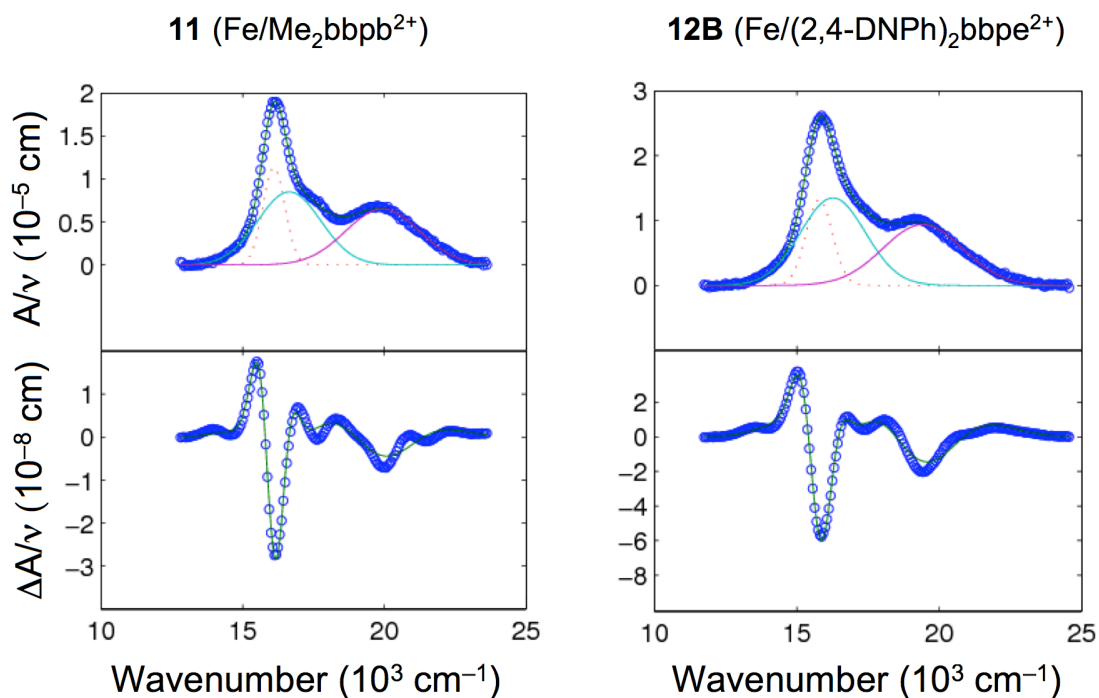
## Supporting Information

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## 1. Additional Figures



**Figure S1.** MLCT and Stark spectra with calculated fits for complex salts **4** and **10** in external electric fields of  $3.51 \times 10^7$  and  $3.57 \times 10^7$  V m<sup>-1</sup>, respectively. Top panel: absorption spectrum illustrating Gaussian curves used in data fitting; bottom panel: electroabsorption spectrum, experimental (blue) and fits (green) according to the Liptay equation.<sup>1</sup>



**Figure S2.** MLCT and Stark spectra with calculated fits for complex salts **11** and **12B** in external electric fields of  $3.57 \times 10^7$  and  $5.26 \times 10^7$  V m<sup>-1</sup>, respectively. Top panel: absorption spectrum illustrating Gaussian curves used in data fitting; bottom panel: electroabsorption spectrum, experimental (blue) and fits (green) according to the Liptay equation.<sup>1</sup>

- (1) Liptay, W. In *Excited States*, Vol. 1; Lim, E. C., Ed.; Academic Press, New York, 1974, pp. 129–229).

## 2. Complete Reference

- (54) (d) Odom, S. A.; Webster, S.; Padilha, L. A.; Peceli, D.; Hu, H.-H.; Nootz, G.; Chung, S.-J.; Ohira, S.; Matichak, J. D.; Przhonska, O. V.; Kachkovski, A. D.; Barlow, S.; Brédas, J.-L.; Anderson, H. L.; Hagan, D. J.; Van Stryland, E. W.; Marder, S. R. *J. Am. Chem. Soc.* **2009**, *131*, 7510–7511.