

Title:

Synthesis and properties of new super structured chromophores based on porphyrin rings

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In this work a variety of super structural porphyrin-based dyes synthesized¹, consisting of two different or identical chromophores, in order to absorb in a wider UV-vis region with or without anchoring groups. Also the used linker moiety or the functionalized amino acid group could play a role through hydrogen bonding interactions between them. The titled dyes were characterized by means of ¹H and ¹³C NMR, elemental analysis, MALDI-TOF, UV-Vis absorption and emission studies and studied by CD and UV-Visible titrations.

¹Theodore Lazarides, Susanne Kuhri, Georgios Charalambidis, Manas K. Panda, Dirk M. Guldi, Athanassios G. Coutsolelos, *Inorganic Chemistry*, 51 (7), pp 4193–4204 (2012) b) Manas Panda, G. D. Sharma, K.R. Justin Thomas, and A. G. Coutsolelos *Journal of Material Chemistry*, 22, 8092-8102 (2012) c) Manas Panda, K. Ladomenou, and A. G. Coutsolelos *Coordination Chemistry Reviews* 10.1016/j.ccr.2012.04.041 (2012) Daphnomili, Athanassios G. Coutsolelos *Inorganic Chemistry* 51 (20), pp 10548–10556 (2012) [DOI: 10.1021/ic300714n](https://doi.org/10.1021/ic300714n) d) Dimitra Daphnomili, Giorgos Landrou, Surya Prakash Singh, Anup Thomas, Kada Yesudas, Bhanuprakash K., G. D. Sharma, A. G. Coutsolelos. (29 aug 2012) accepted to *Advances RSC Adv.*, 2012, [DOI: 10.1039/C2RA22129B](https://doi.org/10.1039/C2RA22129B) (2012)