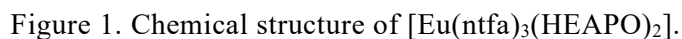


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Lanthanide complexes consisted of organic ligands and lanthanide ions exhibit characteristic 4f-4f emission with narrow emission bands and long emission lifetimes. In previous work, a Eu(III) complex that has hydrophilic polyether chains was prepared for bio-imaging. The Eu(III) complex was found to form aggregates in water media and showing intensive luminescence<sup>[1]</sup>. In this study chains containing amide gr (Figure 1).



[1] M. Kono, and Y. Hasegawa et al., Activity sensing of cancer cells using luminescent Eu complexes in culture solution, Annual Meeting on Photochemistry 2021, The Japanese Photochemistry Association, online, Sep. 14-16 (2021).