

226. Synthesis and Characterization of (μ -(4',4''''-(1,4-Phenylene)Bis(2,2':6',2''-terpyridine)))Bis(acetonitrileplatinum(II)) Tetrafluoroborate

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In the continuation of our research on synthesizing light-harvesting molecules, we hereby report on the synthesis of (μ -(4',4''''-(1,4-Phenylene)bis(2,2':6',2''-terpyridine)))bis(acetonitrileplatinum(II)) tetrafluoroborate. The complex absorbs across a broad range of UV-visible light, exhibits solid-state luminescence at RT, and has two reversible reductions. These spectroscopic and electrochemical properties suggest that the complex and derivatives thereof are candidates for light-harvesting and light-emitting applications that we will be investigating.