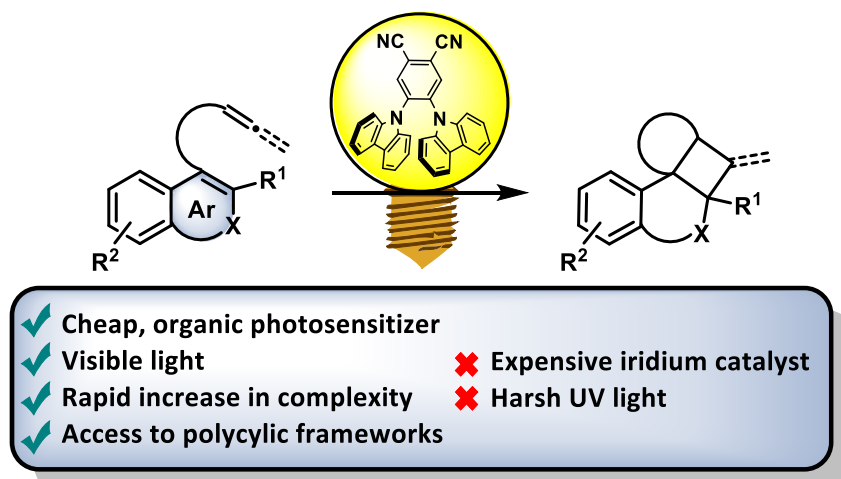


Dearomative Cycloadditions Utilizing an Organic Photosensitizer: An Alternative to Iridium Catalysis

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A highly efficient, cheap and organic alternative to the commonly used iridium photosensitizer $[\text{Ir}(\text{dF}(\text{CF}_3)\text{ppy})_2(\text{dtbpy})]\text{PF}_6$ ($[\text{Ir-F}]$)^[1-3] is presented for visible-light energy transfer catalysis. The organic dye **2CzPN**^[4] surpasses $[\text{Ir-F}]$ in selectivity, while at the same time being easily accessible in a one-step synthesis. The catalyst can be recycled and, due to its uncharged nature, is soluble in nonpolar solvents such as toluene. Furthermore, the scope of molecular scaffolds that are compatible substrates for visible-light catalyzed dearomative cycloadditions is expanded.^[5]



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