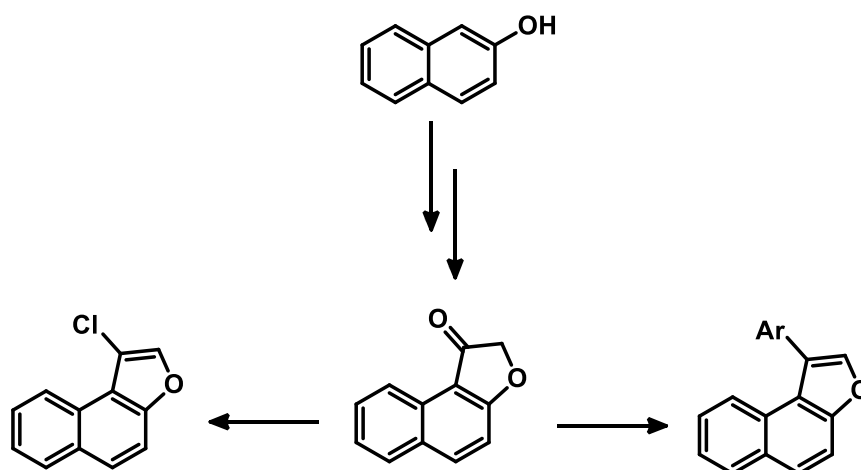


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Synthesis toward to Naphthofuran Derivatives**Yuttawat Hashmi¹, Dini Rohmawati² and Tienthong Thongpanchang^{1,2,*}**¹Department of Chemistry, Faculty of Science, Mahidol University, Bangkok, Thailand²Center for Excellence in Protein and Enzyme Technology (CPET), Faculty of Science, Mahidol University, Bangkok, Thailand

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Naphthofuran skeletons can potentially be applied as π -conjugation systems in novel organic materials such as OLEDs or DSSCs. In this work, Naphthofuran derivatives were synthesized from Naphthofuranone which was derived from β -naphthol. Photophysical and electrochemical properties of the synthetic materials will later be investigated.



Scheme 1. The synthesis of Naphthofuran derivatives

Keywords: naphthofuran, organic material, π -conjugation system