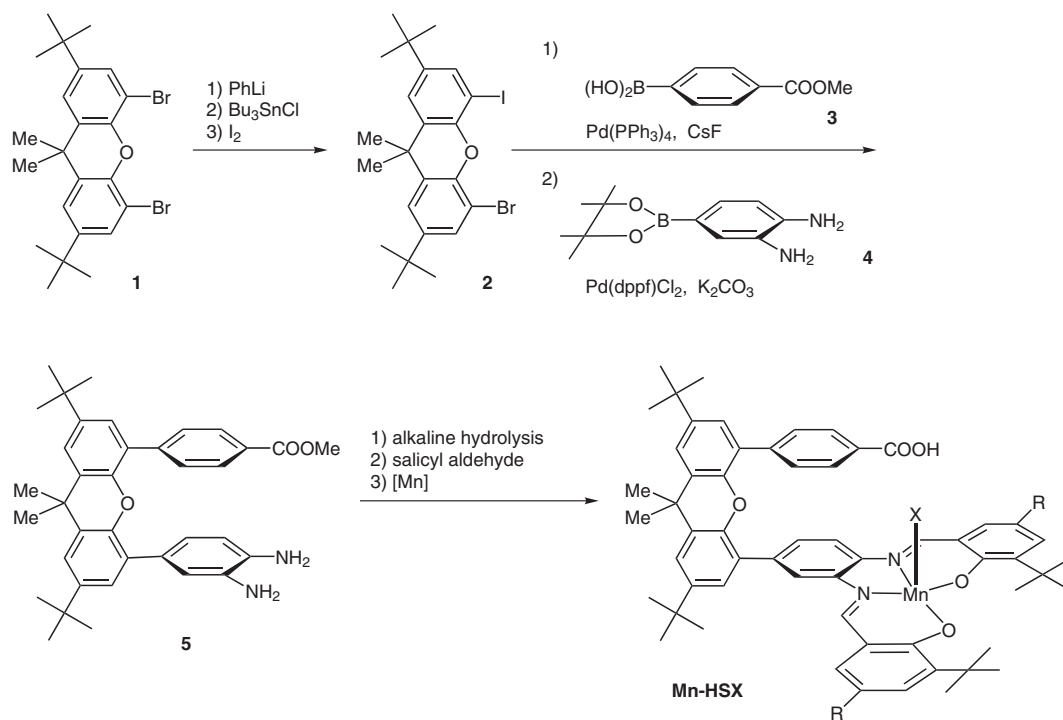


## Preparation of Hangman Salophens



**Significance:** Hangman Salophen-Mn (Mn-HSX) complexes were designed and prepared to elucidate structure–reactivity relationships of proton-coupled electron transfer (PCET) catalysis. A variety of Mn-HSX complexes has been prepared from dihaloxanthene via a selective mono-arylation (Suzuki–Miyaura cross-coupling) and a subsequent second cross-coupling.

**Comment:** Drastic electronic effects were observed in Mn-HSX-catalyzed  $\text{H}_2\text{O}_2$  dismutation indicating that the PCET process is affected by the electronic perturbation of the redox site.