Roads to Rhodocenium

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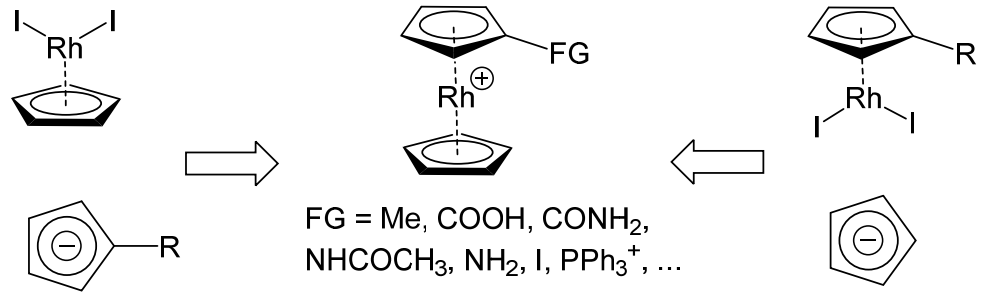
The rhodocenium cation, even compared to its lighter congener cobaltocenium, still has very little of its chemistry explored [1]. This is mainly due to synthetic limitations caused by the deactivating cationic charge in this class of compounds. Rhodocenium compounds show similar behaviour to their cobaltocenium counterparts and some can be accessed via already reported routes developed for those [2], but there are also differences that need to be addressed and also open up new routes to a range of functional derivatives.



In this contribution, we will present different pathways to new mono- and disubstituted rhodocenium compounds from easily available starting materials. Their characterization and selected structures will also be presented.

[1] Review: Yan, Y.; Pageni, P.; Kabir, M. P.; Tang, C., *Synlett* **2016**, *27*, 984–1005

[2] Vanicek, S.; Kopacka, H.; Wurst, K.; Müller, T.; Schottenberger, H.; Bildstein, B.; *Organometallics* **2014**, *33*, 1152–1156.