



2017年度 物質生命理工学科コロキウム

上智大学 理工学部 物質生命理工学科 主催
理工学部・理工学振興会 共催

New Approaches to Synthesis of (\pm)-Estrone, (-)-Estrone, and Ferrocenestrone



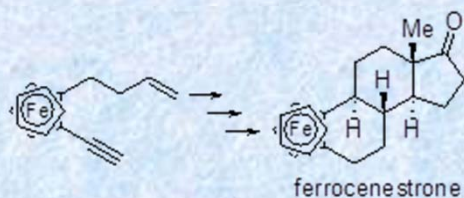
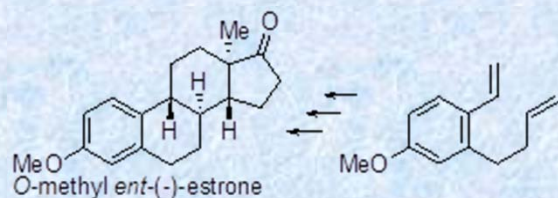
講師 Prof. Martin Kotora

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日時：2017年7月13日（木） 15:15-16:15

場所：L-821（図書館内会議室）

Total syntheses of natural compounds and their derivatives belong to the top field of organic chemistry. One of our long running interests is development of new synthetic pathways based on application of transition metal catalyzed or mediated process. A special attention is focused on application of the zirconocene chemistry. The main topic of this presentation is application of α,ω -dienes or enynes cyclizations in syntheses of estrone and ferrocenestrone (an unnatural compound possessing the ferrocene moiety instead of the steroid A ring).



References

- Betík, R.; Herrmann, P.; Kotora, M. *Eur. J. Org. Chem.* 2010, 646–655.
- Betík, R.; Kotora, M. *Eur. J. Org. Chem.* 2011, 3279.
- Hessler, F.; Císařová, I.; Sedlák, D.; Bartůněk, P.; Kotora, M. *Chem. Eur. J.* 2012, 18, 5515–5518.

学外の方の聴講歓迎・申込不要・参加無料

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