

## ABSTRACTS

**29:** Eszter Szánti-Pintér, Zsolt Csók, László Kollár, Károly Vékey, Rita Skoda-Földes, Synthesis of ferrocene-labelled steroid derivatives via homogeneous catalytic methods, *J. Organomet. Chem.* 718 (2012) 105-107

Carbonylative Sonogashira coupling and copper catalyzed azide-alkyne cycloaddition were used effectively in the synthesis of ferrocene-labelled steroids. Steroidal alkynyl ketones were obtained in moderate yield from 17-ethynyl steroids without the necessity for the protection of the 17 $\beta$ -OH group of various compounds. Unfortunately, the alkynyl ketone derivatives could not be converted to steroids with heterocyclic groups at C-17 using methylhydrazine cyclocondensation agent. At the same time, 17-triazolyl steroids with ferrocene labels were synthesized in excellent yields starting from the same substrates by a copper-catalyzed azide alkyne cycloaddition. The new compounds were characterized by  $^1\text{H}$ - and  $^{13}\text{C}$  NMR, MS and IR.