Asymmetric Conjugate Addition of Dimethylzinc to (Z)-Nitroalkenes

**Significance:** Asymmetric conjugate addition of organometallic species to nitroalkenes can be an efficient way to access all-carbon quaternary stereocenters. Herein, the authors demonstrate that the use of [(MeCN)₄Cu]PF₆ plays a crucial role in the asymmetric conjugate addition of dimethylzinc to (Z)-nitroalkenes with the Hoveyda ligand.

**Comment:** With the reported conditions, the undesired nitroalkene isomerization, resulting in low enantioselectivity, has been solved. The authors also developed a practical and highly controlled method for the synthesis of (Z)-nitroalkenes (Z/E ratio ≥ 99:1).