**Rh₂(R-TPCP)₄-Catalyzed Enantioselective Syntheses of 2,5-Dihydroisoxazoles**

**Significance:** Exploring the vinylogous reactivity of vinyl rhodium carbenoids, the authors report the Rh₂(R-TPCP)₄-catalyzed enantioselective formal [3+2] cycloaddition between nitrones and vinyldiazoacetates. With only 2 mol% of the bulky rhodium catalyst, the 2,5-dihydroisoxazoles were obtained in good yields and moderate to excellent enantioselectivities.

**Comment:** Doyle and colleagues previously reported a dirhodium complex catalyzed synthesis of 3,6-dihydro-1,2-oxazines via an asymmetric formal [3+3] cycloaddition between nitrones and vinyldiazo compounds (*J. Am. Chem. Soc.* 2011, 133, 16402). The highlight of this work is the product divergence from [3+3] to [3+2] cycloaddition leading to 2,5-dihydroisoxazoles with clinical choice of substrate and catalyst.