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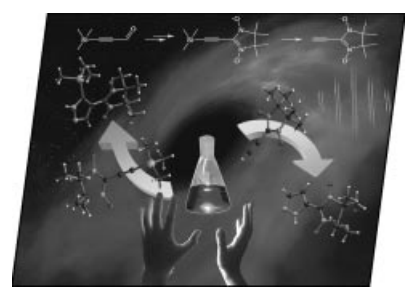
COVER PICTURE

The cover picture shows the synthesis of acetylenyl-substituted nitronyl nitroxides, which affords single crystals under mild conditions, whose structure was studied by direct X-ray analysis. Spin-labeled acetylenes, now accessible to experimenters, have added all the power of alkyne chemistry to nitroxide chemistry. This was first demonstrated in the 1,3-dipolar cycloaddition reaction, which afforded the corresponding pyrazoles. The flask with a solution of a spin-labeled nitroxide reflects the kinetic stability of these compounds over prolonged periods of time in solution and the ensuing efficiency of the one-pot synthesis strategy in obtaining the desired derivatives. Details are discussed in the article by V. Ovcharenko et al. on p. 2695 ff.



MICROREVIEW

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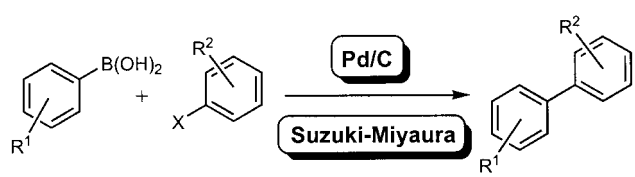

Keywords: C–C coupling / Green chemistry / Heterogeneous catalysis / Palladium / Supported catalysts

