

Editor's Choice

This week the ChemInform editors have been strongly impressed by the following remarkable study:

Amines

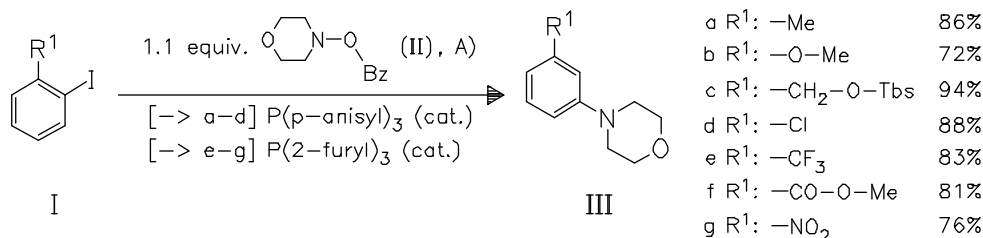
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ortho vs ipso: Site-Selective Pd and Norbornene-Catalyzed Arene C—H

Amination Using Aryl Halides. — This reaction provides aryl amine derivatives in good yields with high regioselectivity and shows good functional group tolerance. In contrast to the Buchwald—Hartwig reaction the amination takes place at the ortho-position of the halide exclusively making this the first example of a C—N bond formation at the ortho-carbon via Catellani-type C—H activation. — (DONG, Z.; DONG*, G.; *J. Am. Chem. Soc.* 135 (2013) 49, 18350-18353, <http://dx.doi.org/10.1021/ja410823e>; Dep. Chem., Univ. Tex., Austin, TX 78712, USA; Eng.) — Roessler



A): iPrOH, Cs₂CO₃, Pd(OAc)₂/norbornene (cat.), toluene, 100°C, [24 h, sealed vial]

