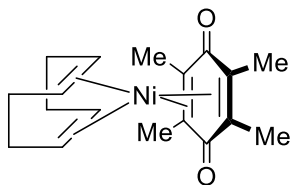
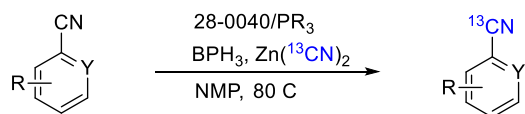


Catalog # 28-0040 (1,5-Cyclooctadiene)(duroquinone) nickel(0), min. 98%



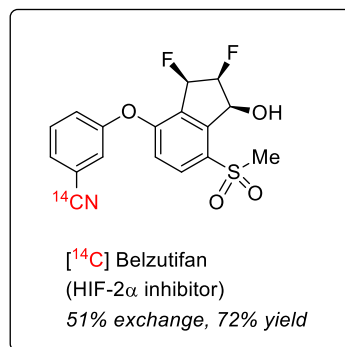
Technical notes:

1. Catalyst for C-CN bond activation in late-stage carbon isotope exchange of aryl nitriles.<sup>1</sup>
2. Air stable Nickel(0)-olefin precatalyst for a variety of synthetic methods including Suzuki-Miyaura cross coupling reactions and amination of aryl chlorides.<sup>2</sup>

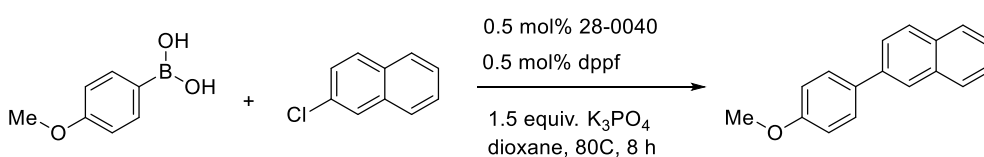


(Y = CH or N)

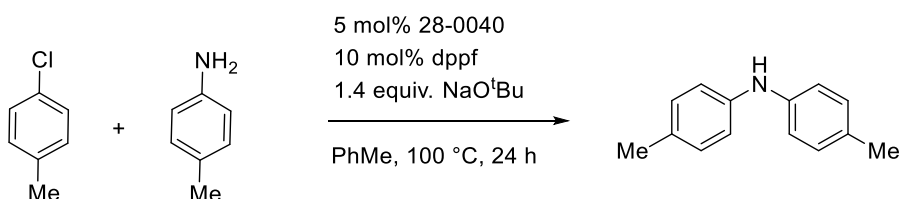
Late-stage incorporation of <sup>13</sup>CN and <sup>14</sup>CN labels  
 First carbon isotope exchange method for nitriles  
 Over 30 examples, with 10 complex pharmaceuticals  
 Aryl, heteroaryl, and alkenyl nitriles



**Tech Note (1)**  
**Ref. (1)**



**Tech Note (2)**  
**Ref. (2)**



**Tech Note (2)**  
**Ref. (2)**

References:

1. [J. Am. Chem. Soc. 2021, 143, 12, 4817–4823.](#)
2. [Angew. Chem. Int. Ed. 2020, 59, 7409.](#)