

## COTab: A SIMPLE AND PRACTICAL SETUP FOR Pd-CATALYZED CARBONYLATION CHEMISTRY

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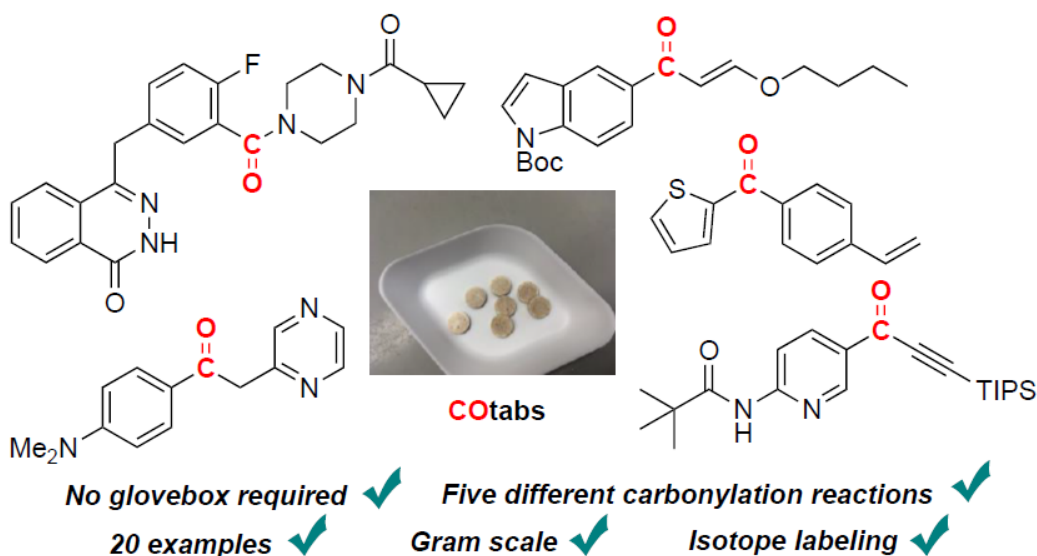
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Bench-stable tablets (COTabs) have been developed for the rapid and safe production of carbon monoxide. The tablets can be made in less than five minutes without the use of a glovebox, and only require a stock solution of an amine base to liberate a specific quantity of CO. The COTabs were tested in five different carbonylation reactions and provided similar yields compared to literature procedures. Finally, a gram-scale reaction was conducted, as well as <sup>13</sup>C-isotope labeling of the anti-cancer drug, olaparib.<sup>[1]</sup>



[1] S. D. Friis, A. T. Lindhardt, T. Skrydstrup, *Acc. Chem. Res.* **2016**, *49*, 594.