

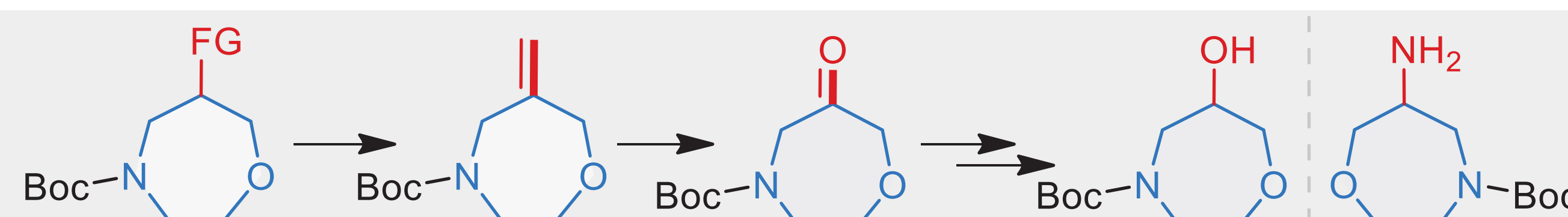
Practical Multigram Synthesis of Functionalized Homomorpholines and Their Further Application

Dmytro M. Volochnyuk, Olexandr V. Kaliberda, Dmytro O. Leha, Evgeniy V. Zarudnitskii, Serhiy V. Ryabukhin

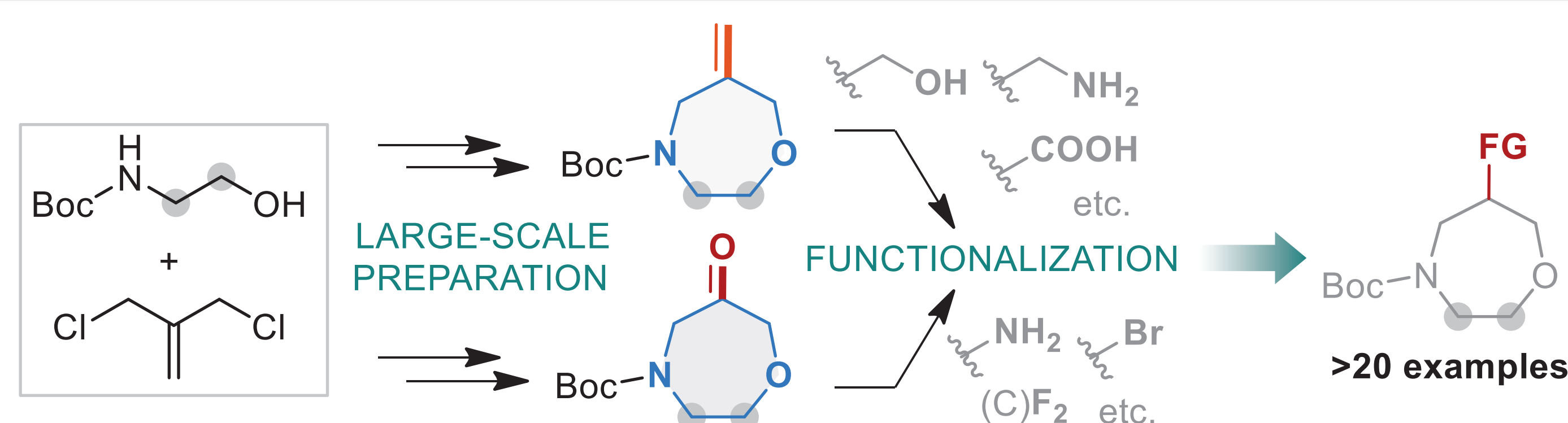
Background and synthetic strategy

STATUS QUO

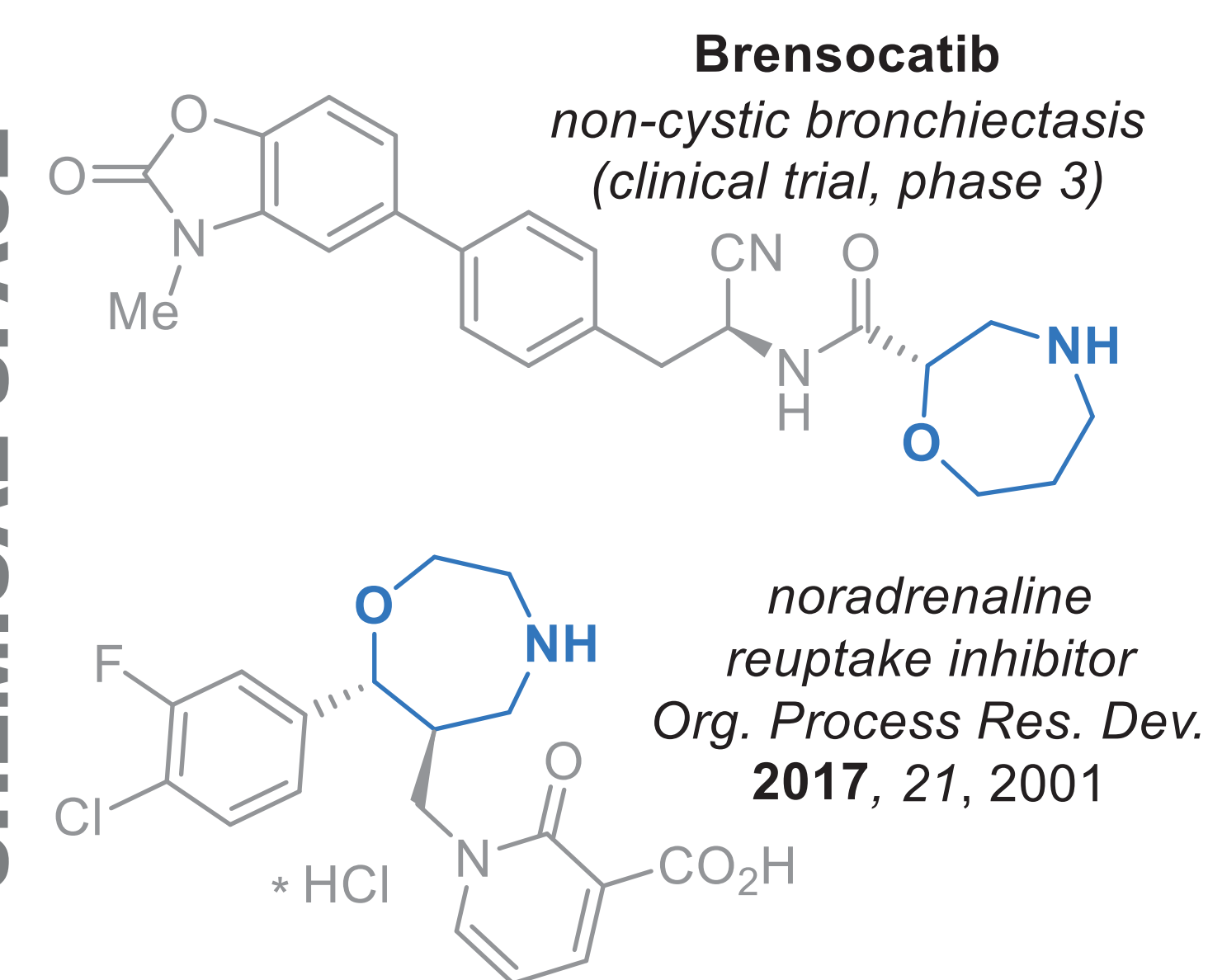
- 3 relevant works
- scarce number of 3-FG oxazepanes
- no large-scale access



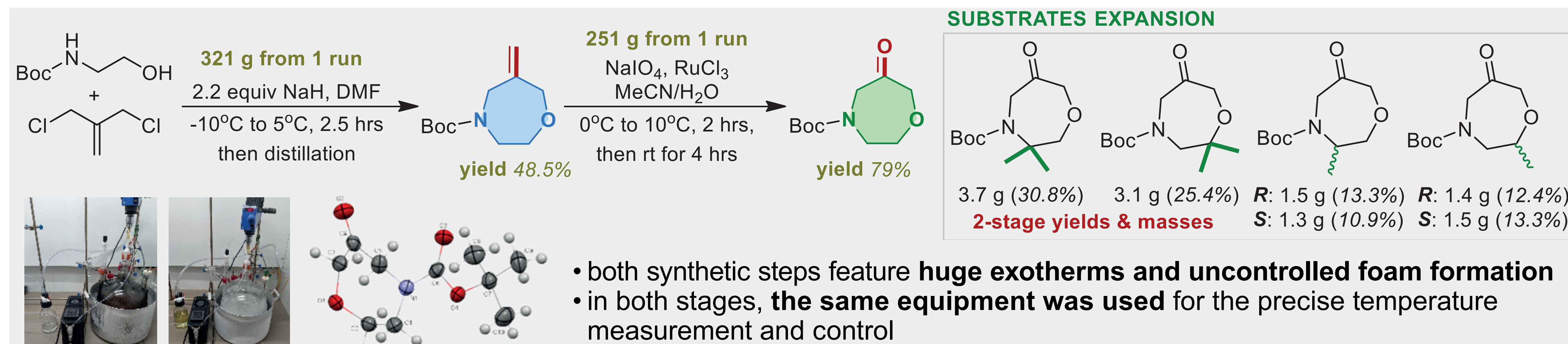
WORK OUTLINE



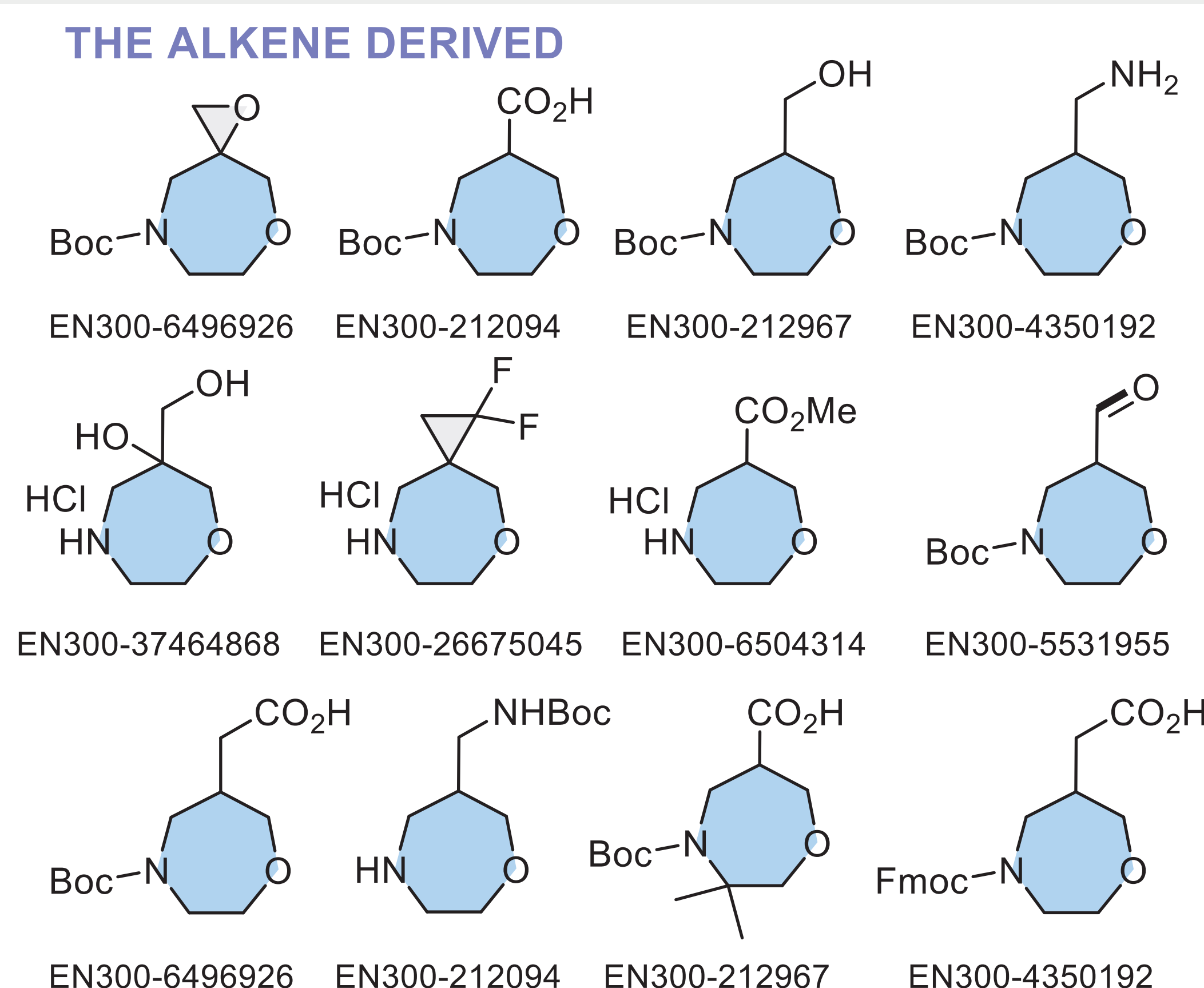
THE NEED TO EXPAND MEDCHEM RELEVANT CHEMICAL SPACE



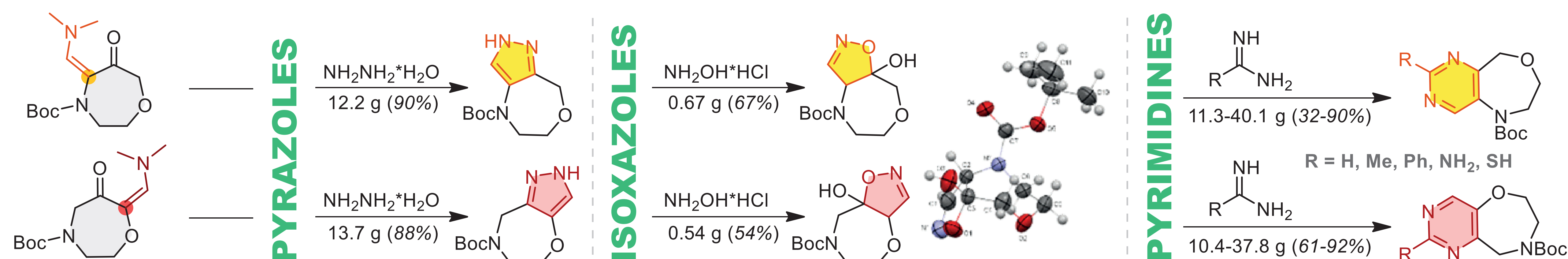
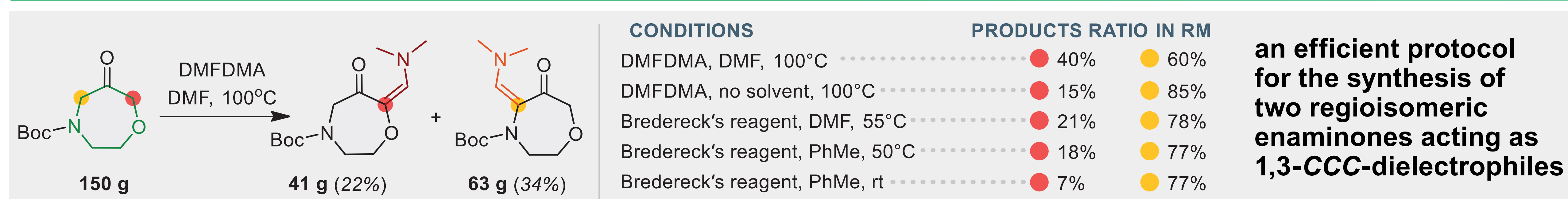
Scale-up synthesis of the key intermediates & their functionalization



EXAMPLES OF MEDCHEM VALUABLE 1,4-OXAZEPANES ACHIEVED VIA WELL-KNOWN FUNCTIONAL GROUP INTERCONVERSIONS



Functionalization of the key precursors and showcasing examples



Contact

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