

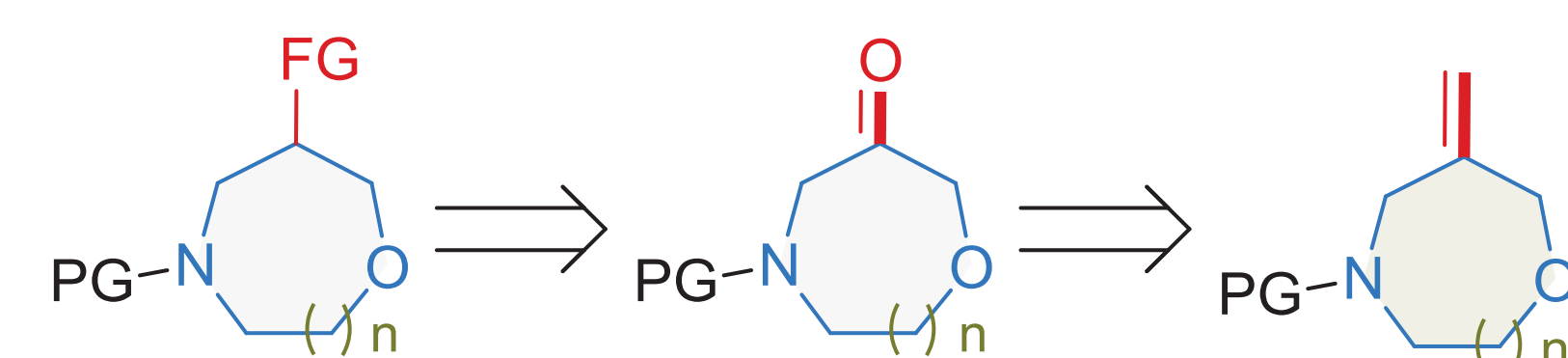
Chasing Elusive Chemotypes: A Unified Strategy Toward Functionalized 7- and 8-Membered Oxaza-Heterocycles

Olexandr Kaliberda, Dmytro Leha, Evgenij Zarudnitskii, Serhiy Ryabukhin, Dmytro M. Volochnyuk

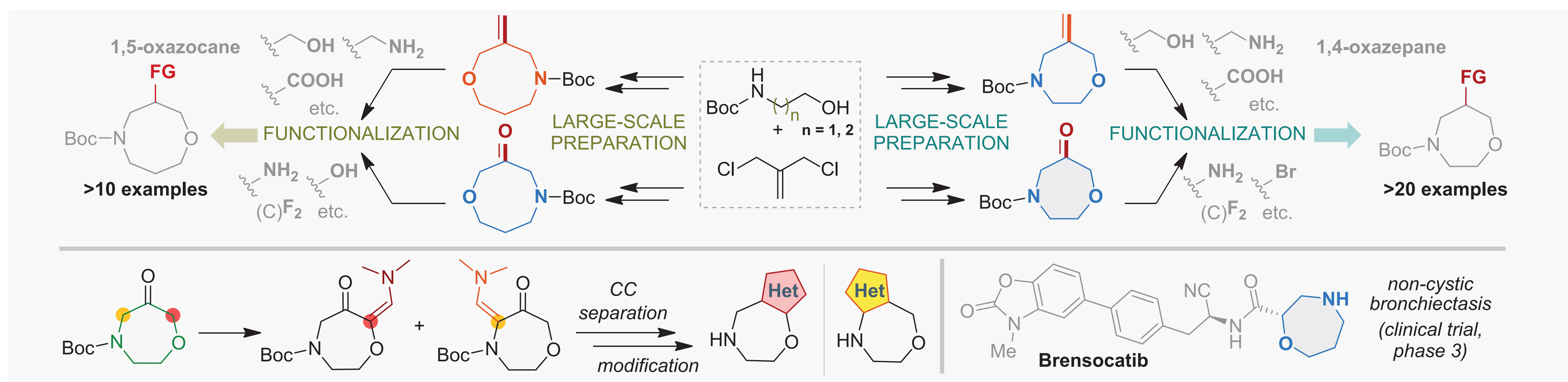
Background and synthetic strategy

STATUS QUO

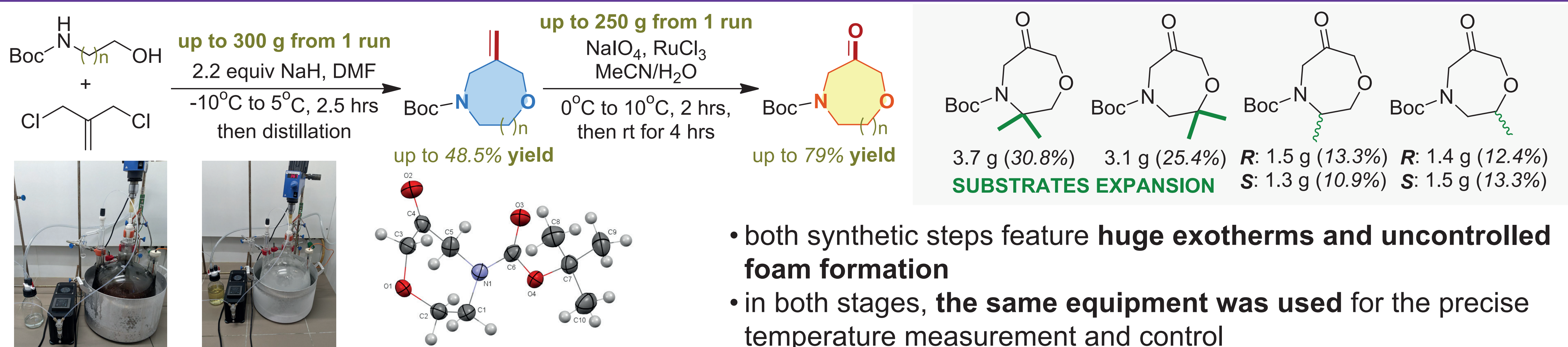
- about 7 relevant works
- scarce number of 3-FG oxazepanes (oxazocanes)
- no large-scale access



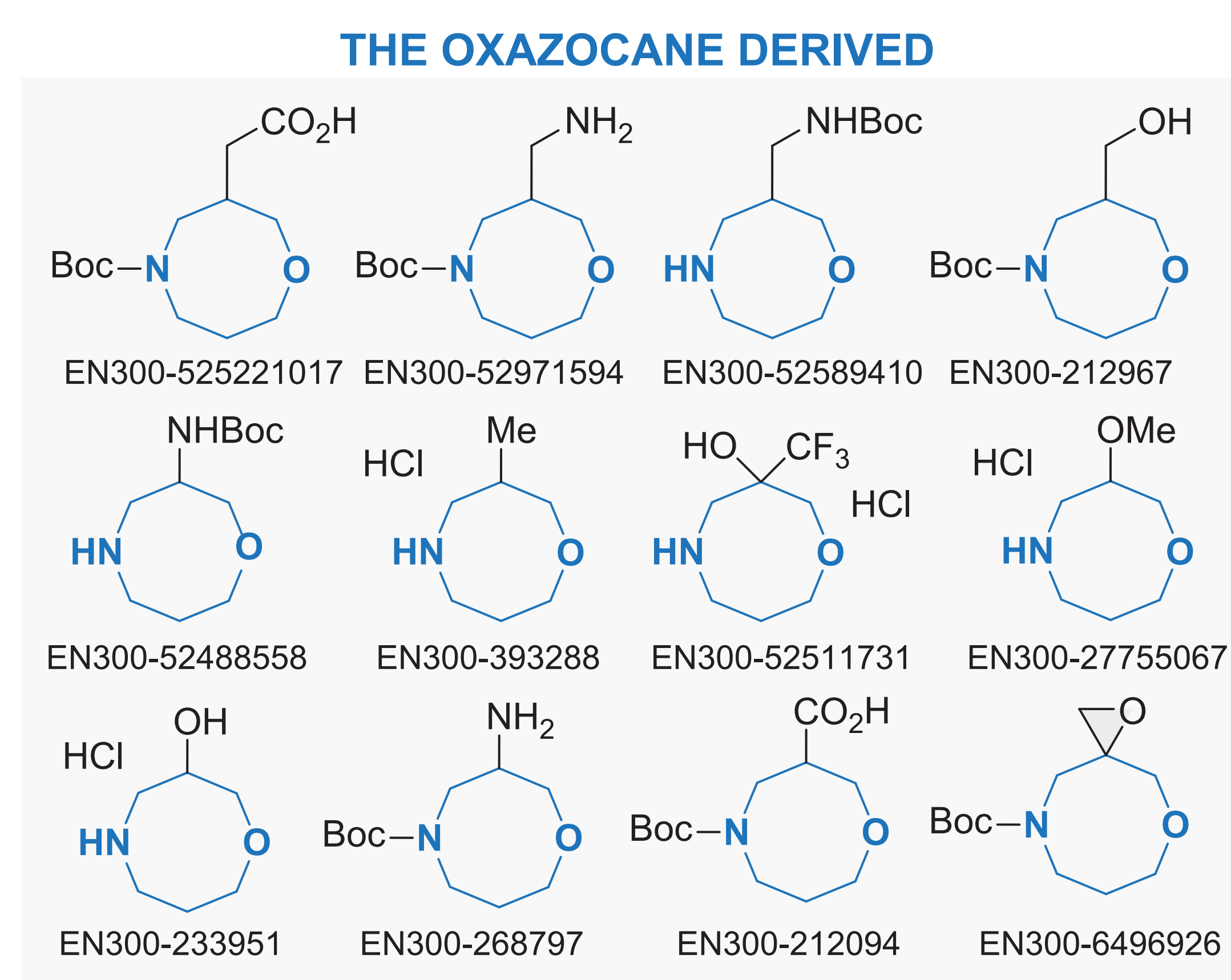
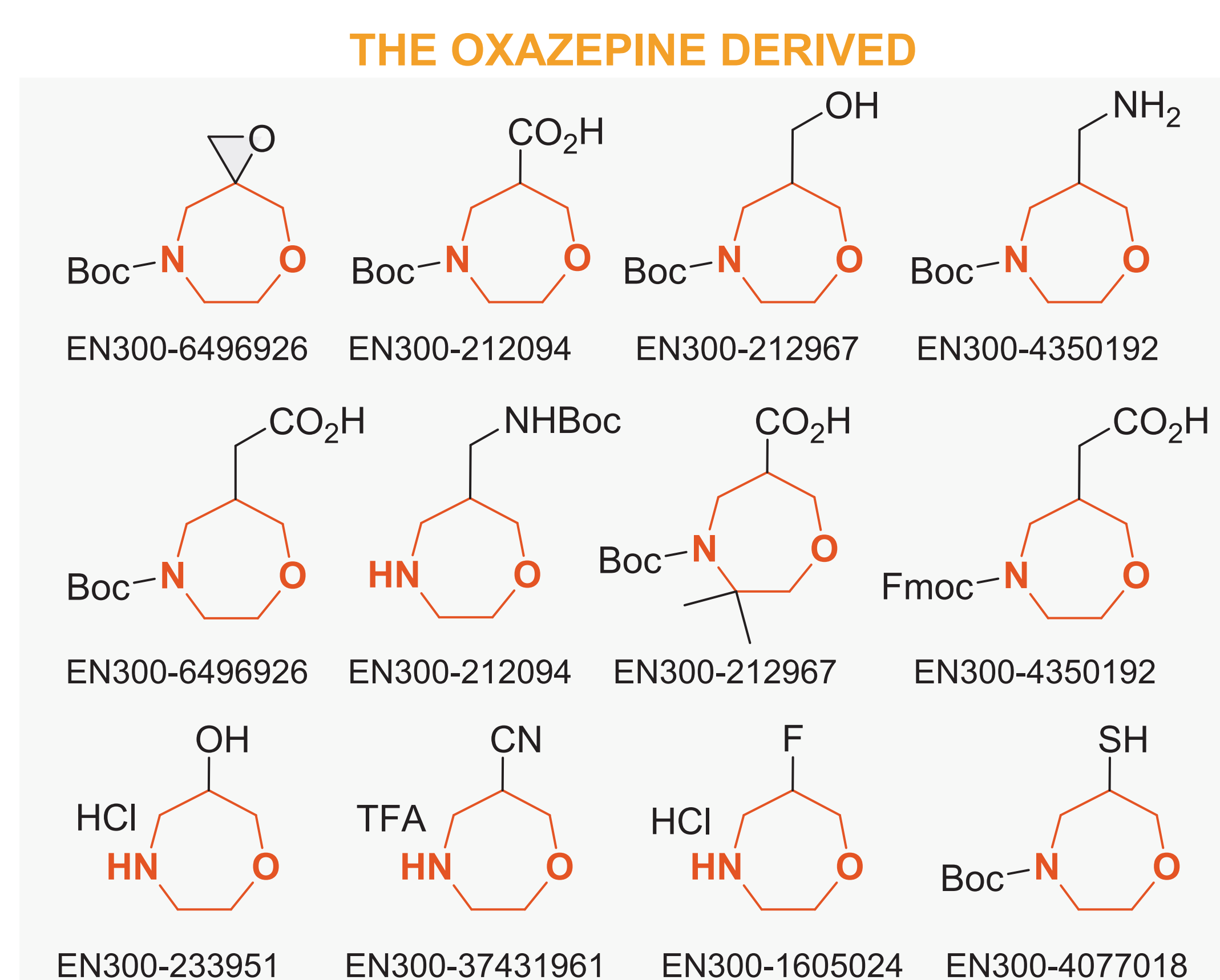
WORK OUTLINE



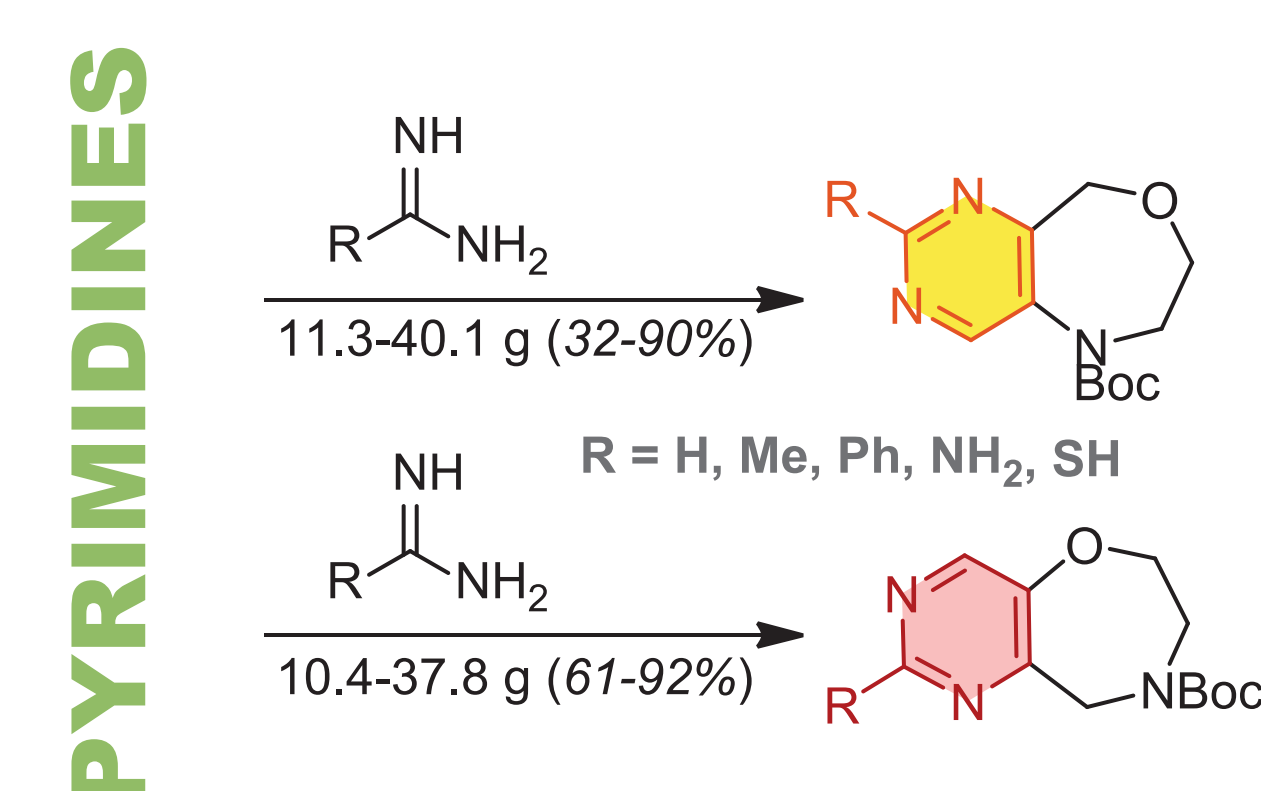
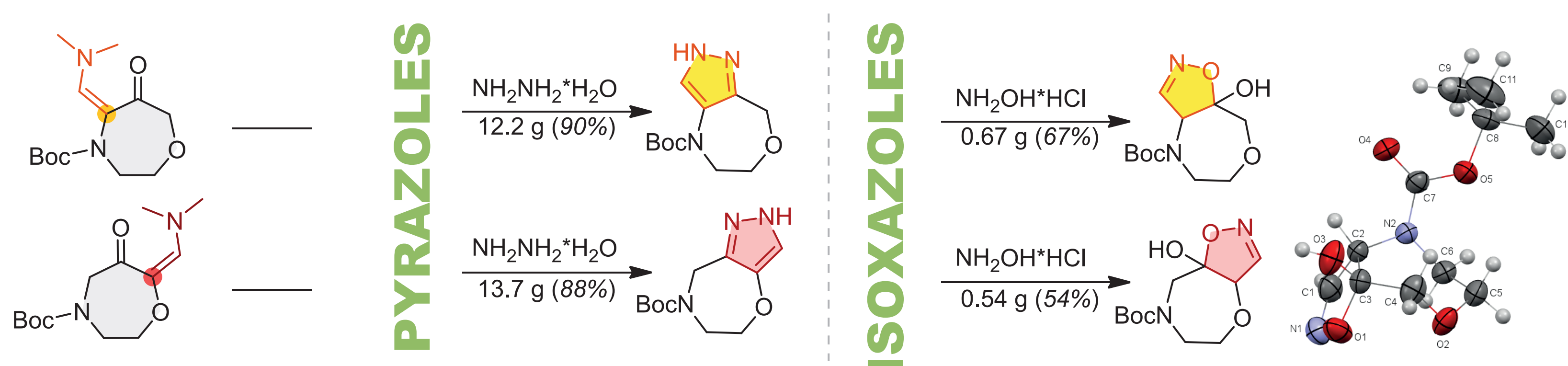
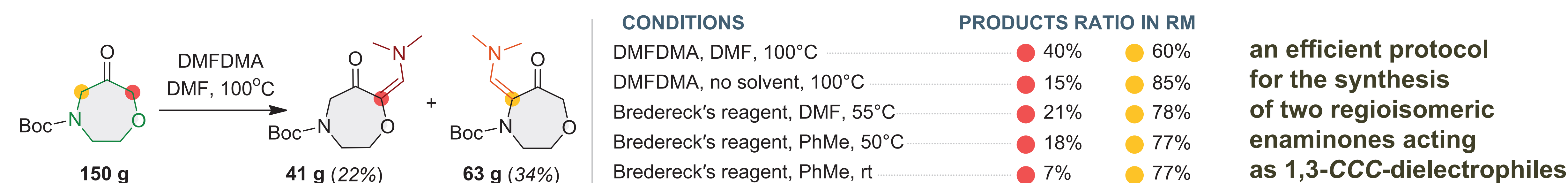
Scale-up synthesis of the key intermediates & their functionalization



EXAMPLES OF VALUABLE OXAZAHETEROCYCLES ACHIEVED VIA WELL-KNOWN FUNCTIONAL GROUP INTERCONVERSIONS



Enaminones – an avenue toward condensed heterocyclic platforms



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