

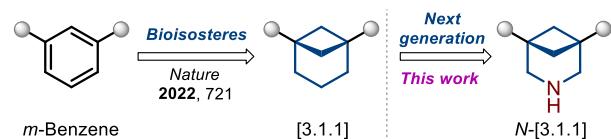
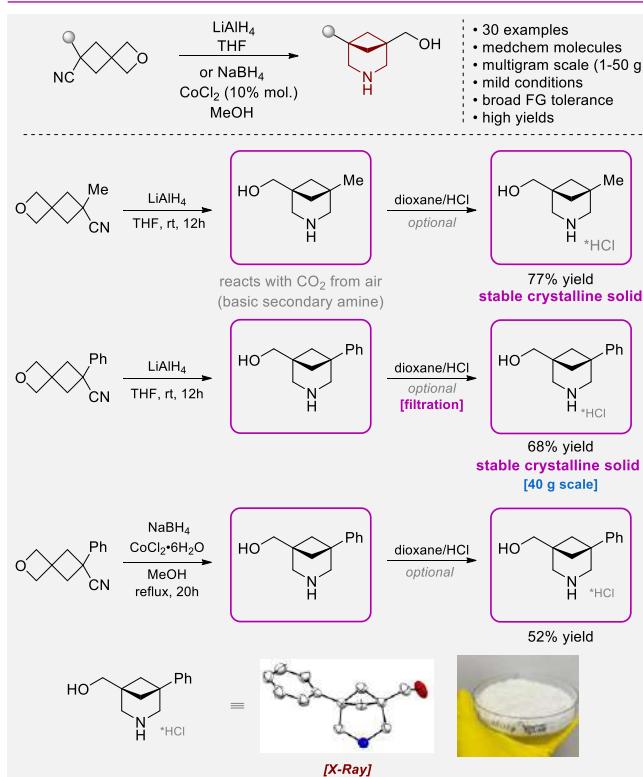
Synthesis of 3-Azabicyclo[3.1.1]heptanes

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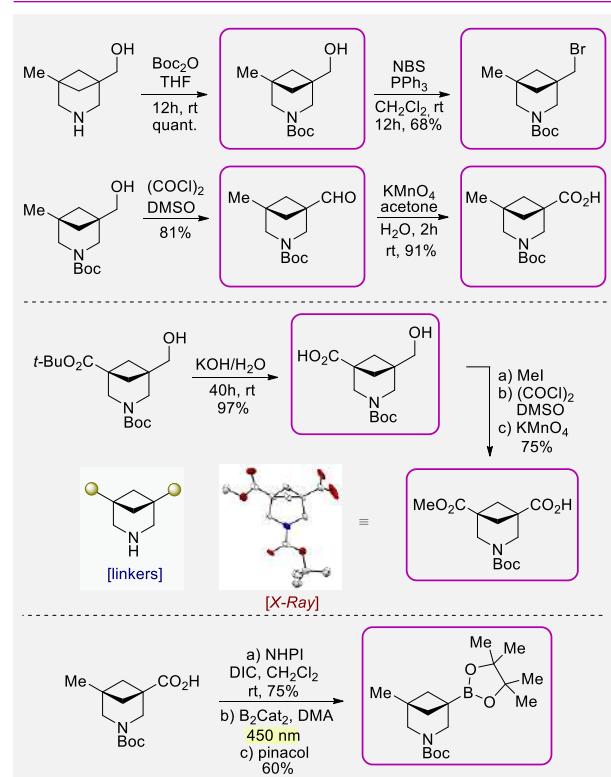
Introduction and Aim

In 2022, bicyclo[3.1.1]heptanes were demonstrated to mimic the fragment of meta-substituted benzenes in biologically active compounds.¹⁻³ Both cores had similar angles between the exit vectors ($119\text{-}120^\circ$), a similar distance between substituents (4.8–5.0 Å), and similar physicochemical properties. Here, we unexpectedly developed a general approach to their aza-analogs: 3-azabicyclo[3.1.1]heptanes.⁴

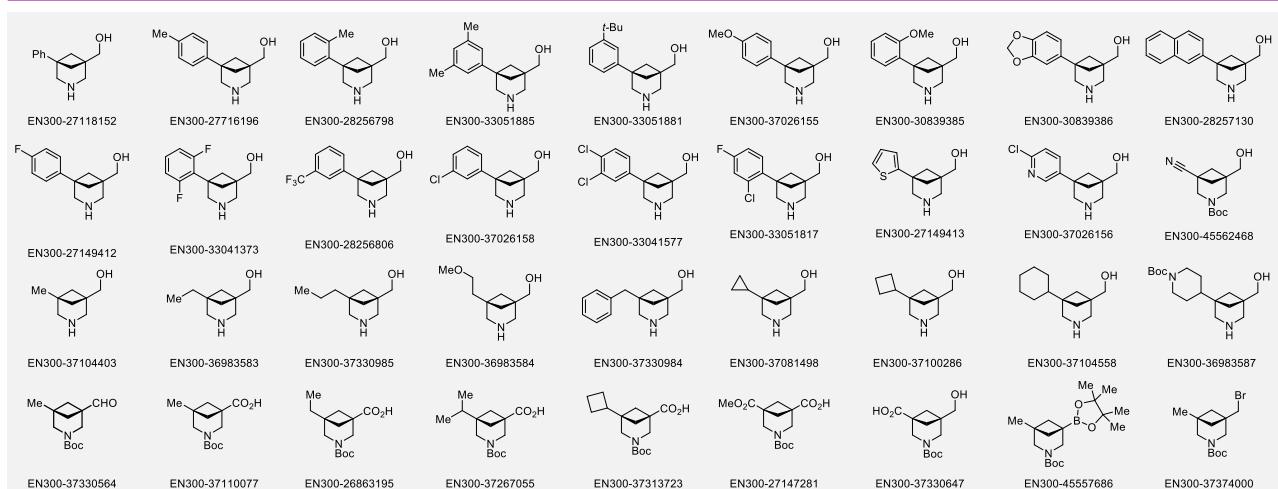
Synthesis



Modifications



Results



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References

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2. T. Iida *et al.* *J. Am. Chem. Soc.* 2022, 144, 21848.
3. T. Yu *et al.* *J. Am. Chem. Soc.* 2023, 145, 4304.
4. D. Dibchak *et al.* *Angew. Chem. Int. Ed.* 2023, submitted.