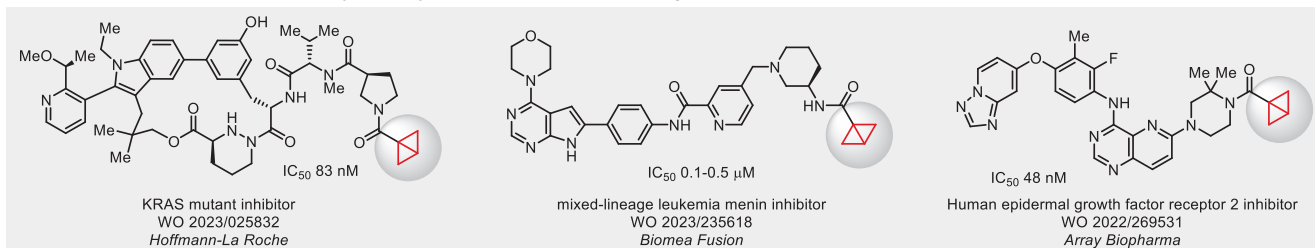


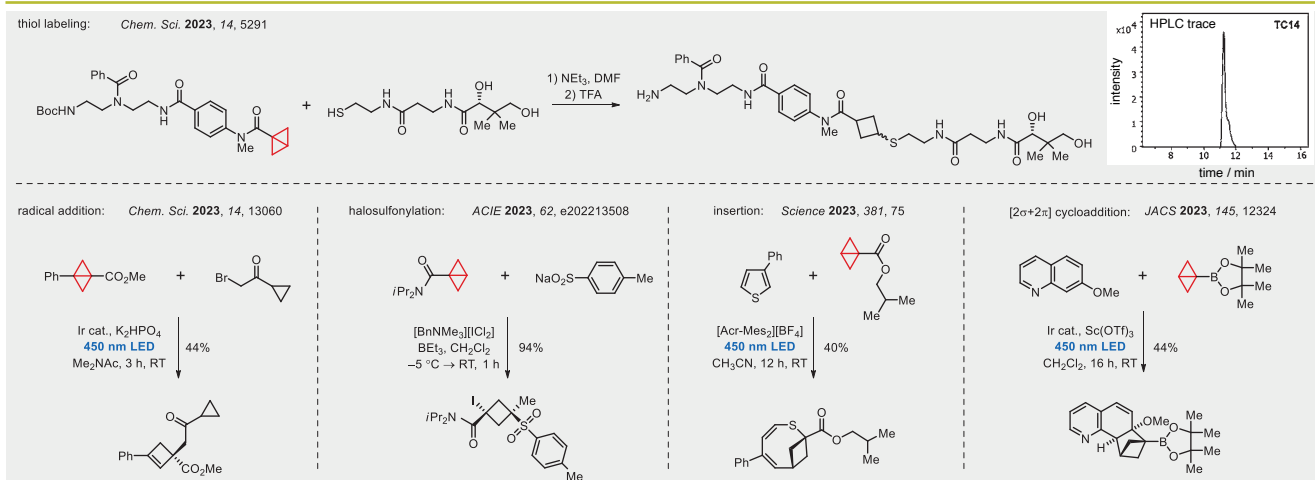
Bicyclobutanes

Introduction

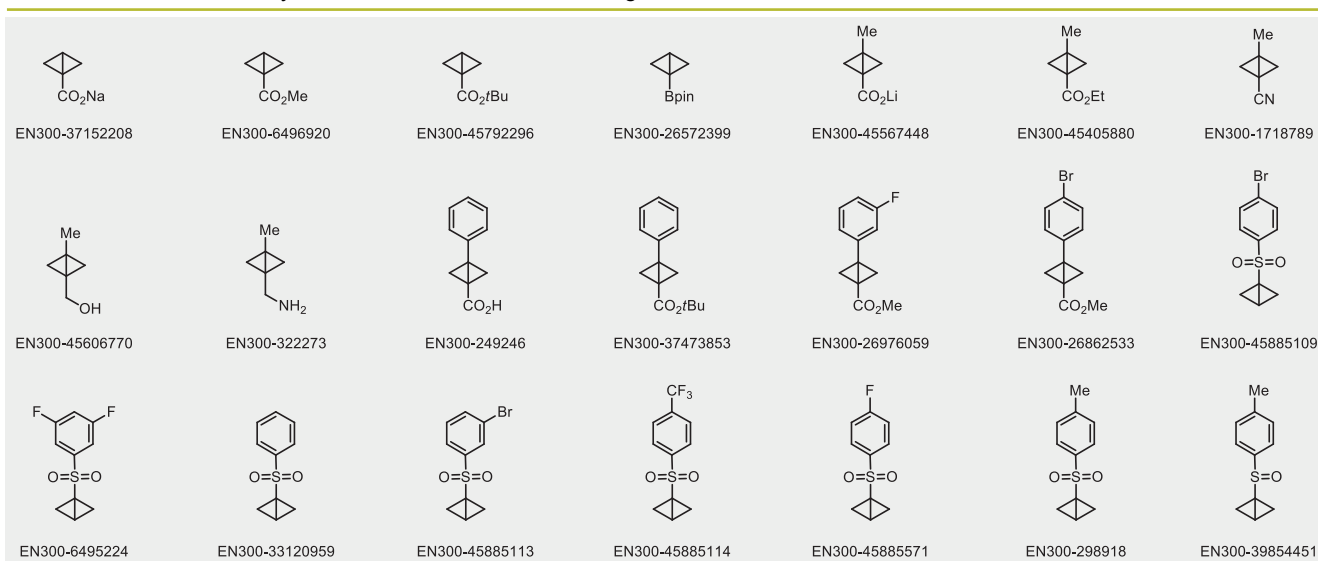
Introduced in 2016 as reagents for the synthesis of cyclobutyl amines and thiols,¹ bicyclobutanes have emerged as excellent precursors for organic transformations as well as substituents in medicinal molecules.² The compounds are bench-stable materials, however, the intrinsic strain of the bicyclic skeleton makes them reactive in nucleophilic addition, cycloaddition, and insertion reactions.¹⁻³ In biological settings, bicyclobutanes are particularly reactive towards cysteine residues, creating an alternative to maleimide for covalent binding.^{1,4} Following the rising demand for their use in organic reactions, Enamine chemists have prepared a library of bicyclobutanes for exploring innovative chemical reactions.



Reactions



We offer: over 20 bicyclobutanes from stock on 5-10 gram scale.



References

1. P. Baran *et al.* *Science* **2016**, *351*, 241.
2. M. Golfmann and J. Walker. *Commun. Chem.* **2023**, *6*, 9.

3. C. Kelly *et al.* *Chem. Sci.* **2022**, *13*, 11721.
4. A. Kaur *et al.* *Chem. Sci.* **2023**, *14*, 5291.



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