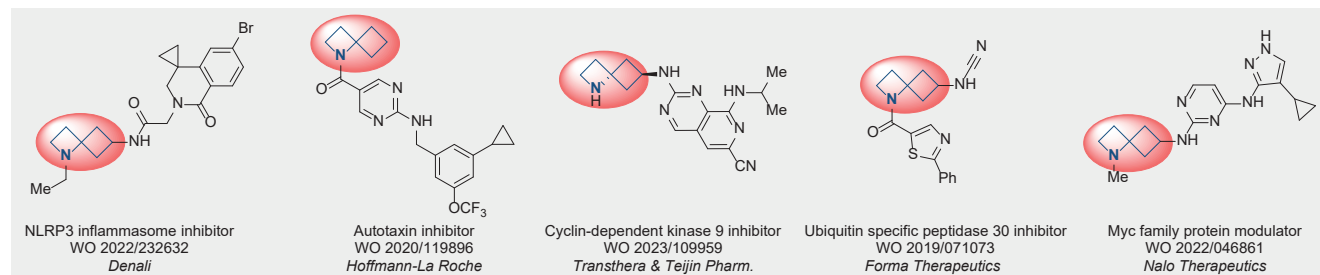


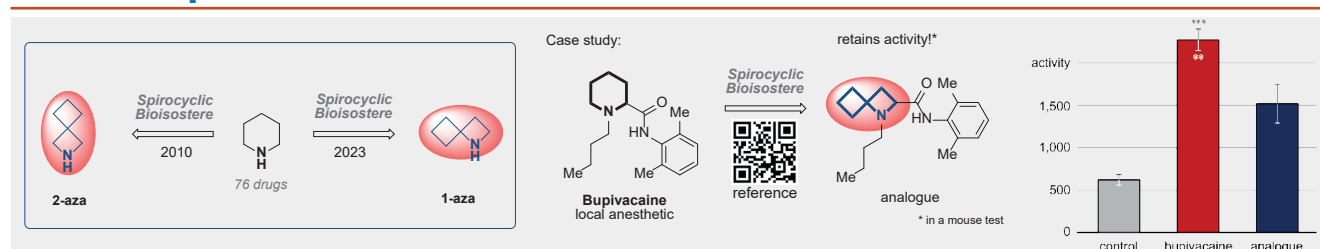
Spirocyclic Piperidine Bioisostere

Introduction

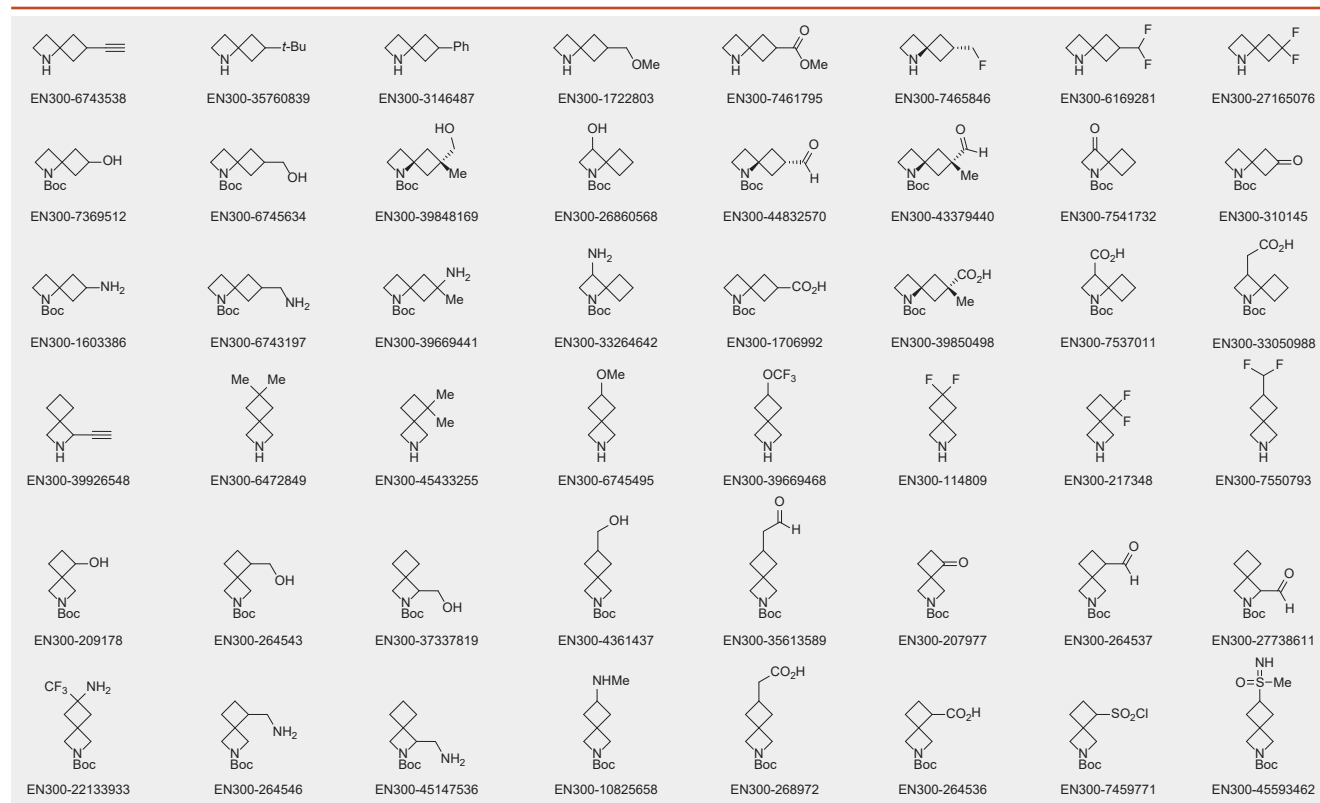
Piperidine ring is found in the structure of about one hundred drugs.¹ In 2010, 2-azaspiro[3.3]heptane structure was proposed as a replacement to the piperidine ring leading to improved solubility and reducing metabolic degradation of bioactive compounds.² In 2023, scientists from *Enamine* created a library of another promising piperidine analogue, 1-azaspiro[3.3]heptane.³ This scaffold had similar basicity of the nitrogen atom, similar solubility, similar lipophilicity; and improved metabolic stability over the common 2-azaspiro[3.3]heptane. Try our azaspiro[3.3]heptanes in your research!



New concept



We offer: more than 100 azaspiro[3.3]heptanes from stock on 5-10 gram scale.



References

1. J. Shearer et al. *J. Med. Chem.* **2022**, 65, 8699.
2. J. Burkhard et al. *Angew. Chem. Int. Ed.* **2010**, 49, 3524.

3. A. Kirichok et al. *Preprint in ChemRxiv* **2023**, doi: 10.26434/chemrxiv-2023-rpjjd



Search & Buy on-line at **EnamineStore.com**
Look for more at Chem-Space.com

BB@enamine.net, www.enamine.net