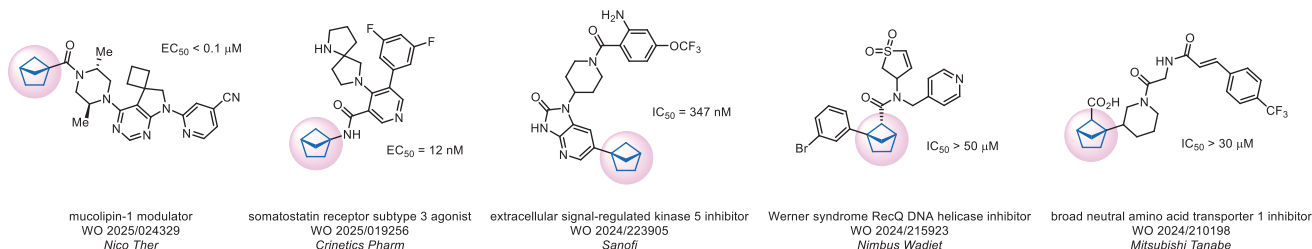


Bicyclo[2.1.1]hexane Scaffold for Optimizing Bioactivity

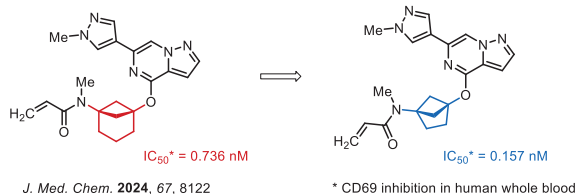
Introduction

Bicyclo[2.1.1]hexane is an innovative molecular scaffold for constructing pharmaceutical molecules. Its high 3D character and diverse substitution patterns help optimize intended bioactivity and evade metabolic degradation.^{1,2} Recently, several disubstituted bicyclo[2.1.1]hexanes have served as bioisosteric replacements for *meta*- and *ortho*-substituted aromatic systems.^{3,4} Try our bicyclo[2.1.1]hexanes in your next projects!



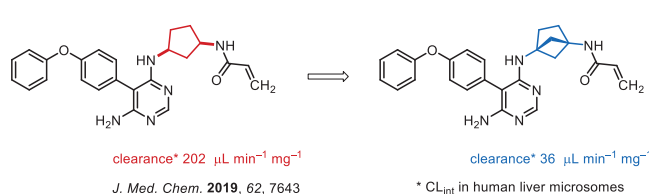
Case studies

Bruton's tyrosine kinase inhibitor



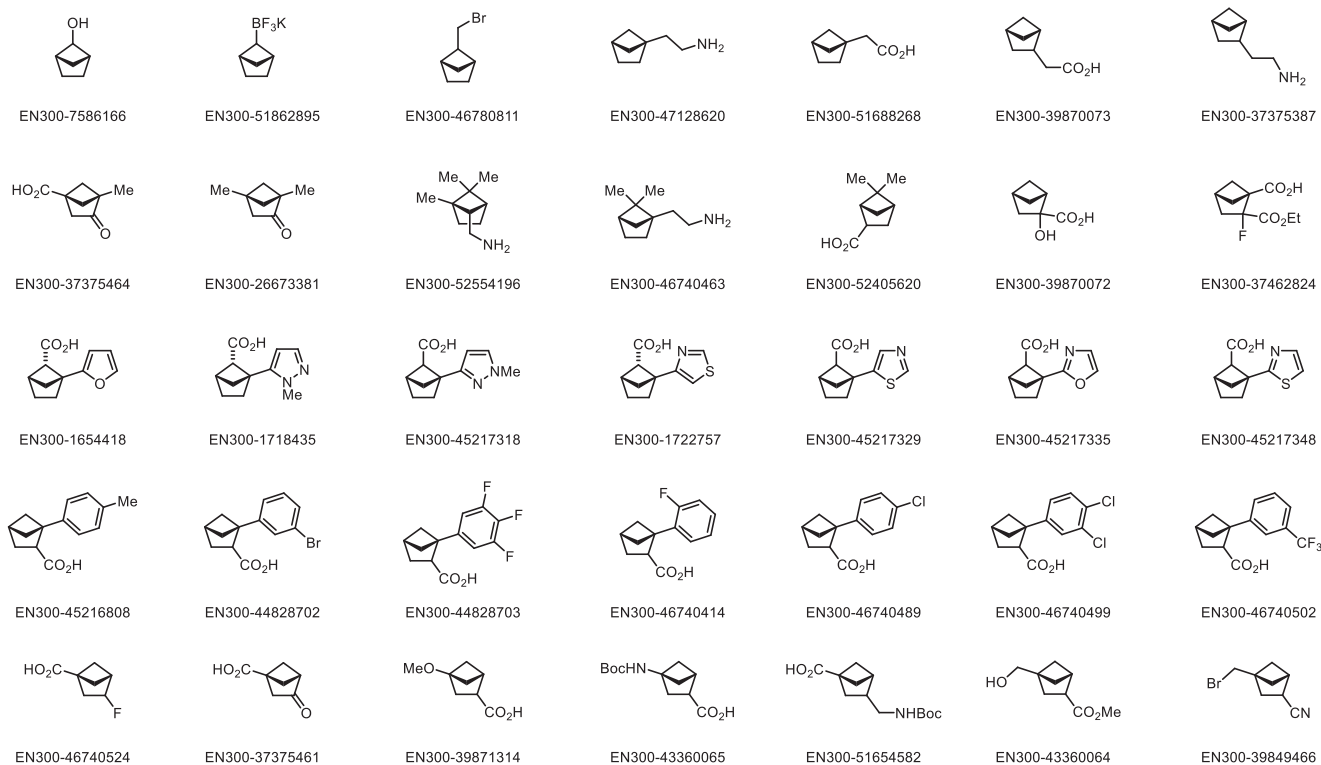
* CD69 inhibition in human whole blood

Bruton's tyrosine kinase inhibitor



* CL_{int} in human liver microsomes

We offer: over 100 bicyclo[2.1.1]hexanes from stock on 5-10 gram scale.



References

1. M. Himmelbauer et al. *J. Med. Chem.* **2024**, 67, 8122.
2. R. Caldwell et al. *J. Med. Chem.* **2019**, 62, 7643.

3. A. Denisenko et al. *Chem. Sci.* **2023**, 14, 14092.
4. H. Diepers and J. Walker. *Beilstein J. Org. Chem.* **2024**, 20, 859.



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

BB@enamine.net, www.enamine.net

