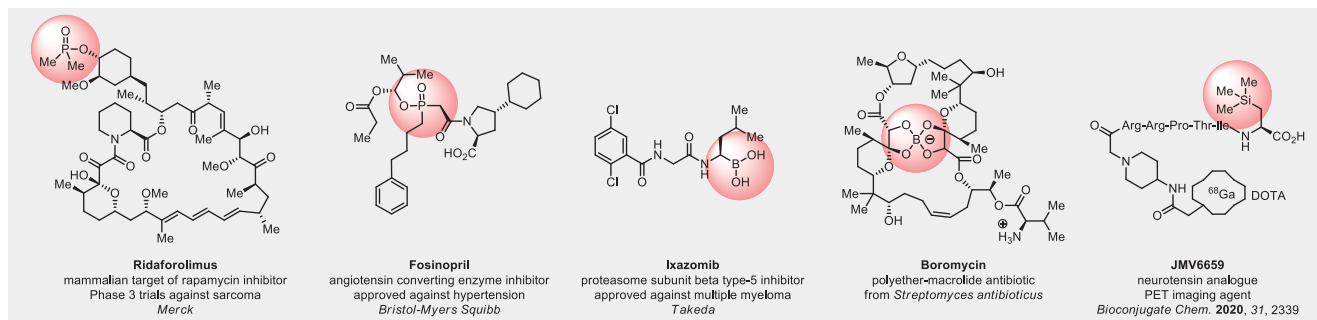


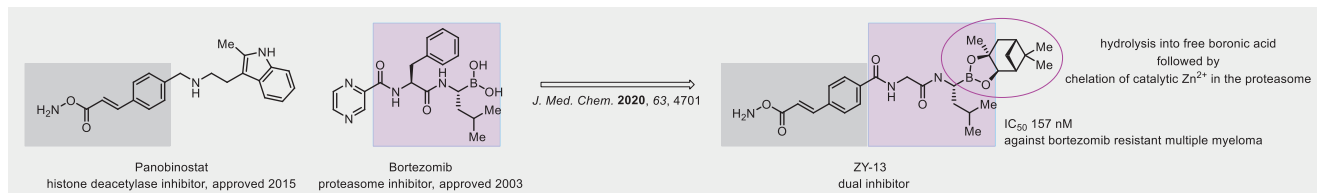
P-, B- and Si-Containing Amino Acids

Introduction

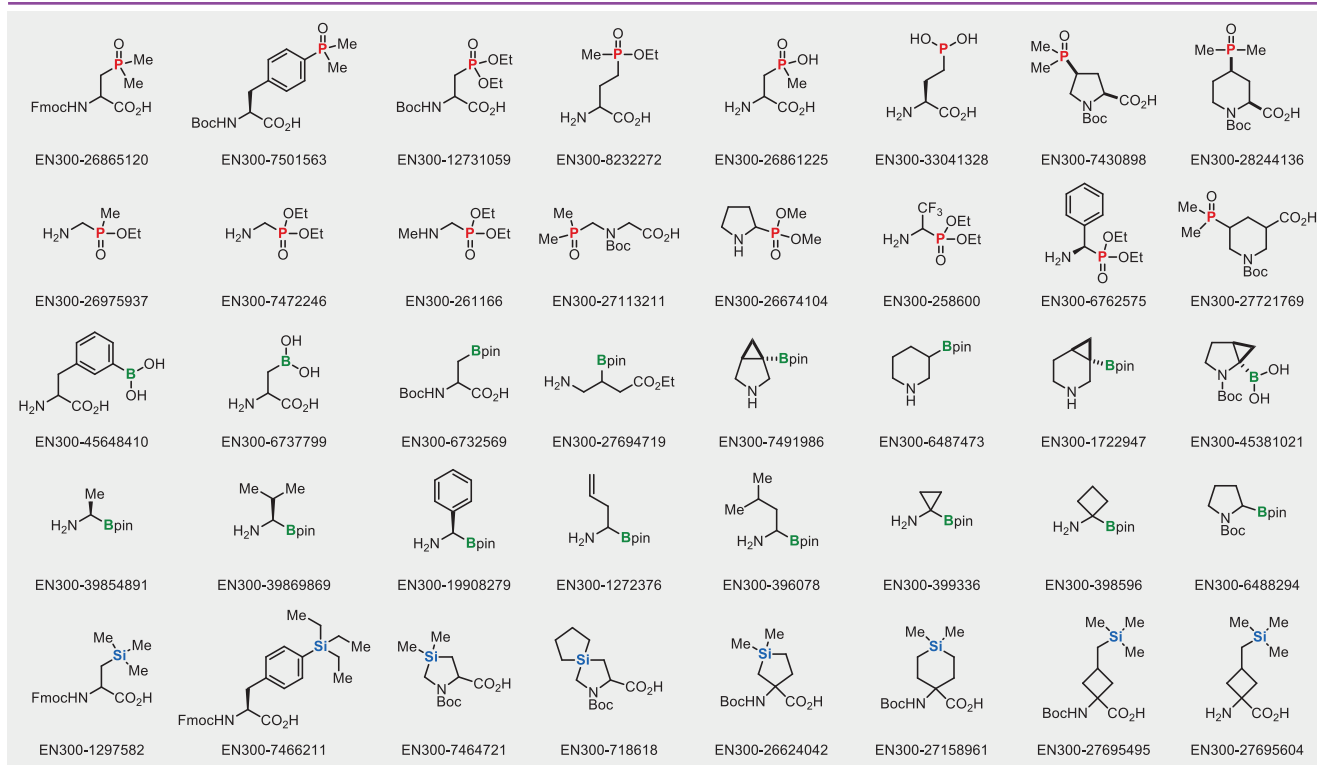
Even though rare in natural products, boron, phosphorus, and silicon are on the rise in medical structures. In amino acids and peptides, these elements change polarity, elevate uptake and metabolic stability, enable mimicking of transition states of enzymes, or introduce specific reactivity.¹⁻⁴ For example, boronic acids act as warheads for reversible covalent binding to catalytic serine/threonine sites, as transition state mimetics, and as agents in neutron capture therapy.^{2,3} Try our P/B/Si-containing amino acids in your research!



Case study



We offer: over 100 P/B/Si-containing amino acids from stock on 5-10 gram scale.



References

1. A. Mucha *et al.* *J. Med. Chem.* **2011**, *54*, 5955.
2. Y. Tan *et al.* *Int. J. Mol. Sci.* **2021**, *22*, 12958.
3. M. Al-Omari *et al.* *J. Enzyme Inhib. Med. Chem.* **2023**, 2220084.
4. E. Rémond *et al.* *Chem. Rev.* **2016**, *116*, 11654.



Search & Buy on-line at [EnamineStore.com](https://www.enamine.net)
Look for more at [Chem-Space.com](https://www.chem-space.com)

BB@enamine.net, www.enamine.net