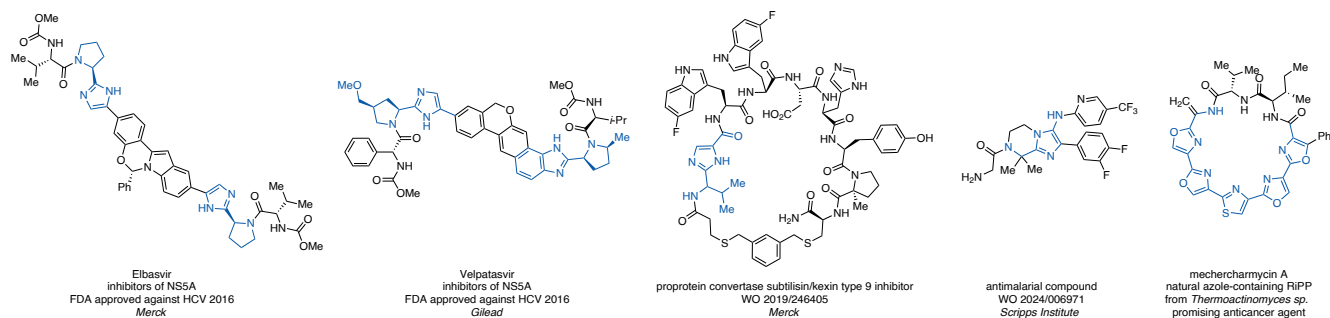


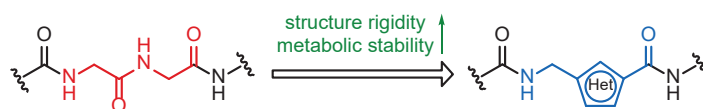
# Diazole-based Peptide Bond Surrogates

## Introduction

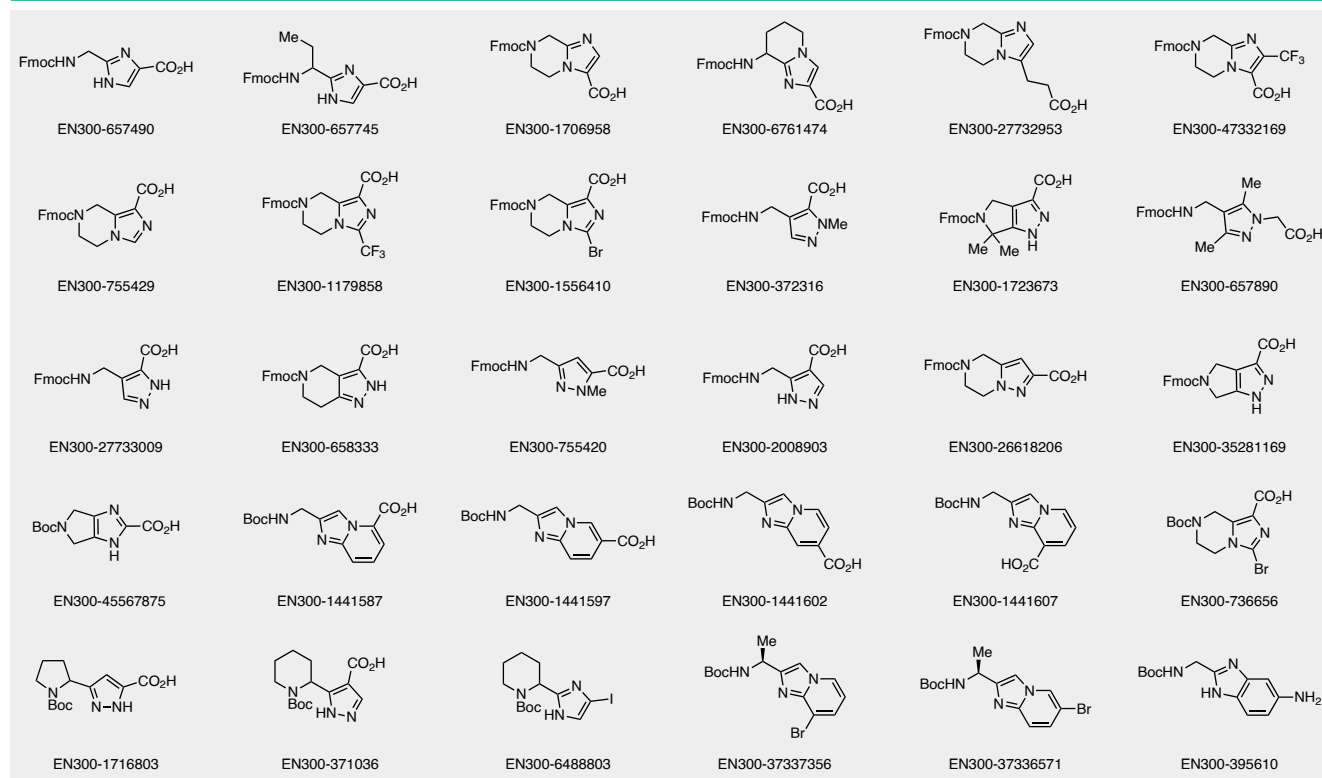
The high sensitivity of peptide therapeutics to endopeptidases can be addressed by replacing peptide bonds with isosteric surrogates.<sup>1</sup> Azoles, naturally occurring compounds commonly found in the backbone of bioactive peptides,<sup>2</sup> offer one such alternative. In the 2010s, several direct-acting antivirals containing diazole surrogates for peptide bonds were approved for the treatment of HCV, including ledipasvir (2014), daclatasvir (2015), elbasvir (2016), and velpatasvir (2016).<sup>3,4</sup> As leaders in chemical science, our specialists have curated a range of diazole- and benzodiazole-based structures to replace peptide bonds in peptidomimetics, aiming to optimize activity and pharmacokinetic properties.



## Concept



**We offer:** over 100 diazole-based dipeptide surrogates from stock on 5-10 gram scale.



## References

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4. J. Link et al. *J. Med. Chem.* **2014**, 57, 2033.



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