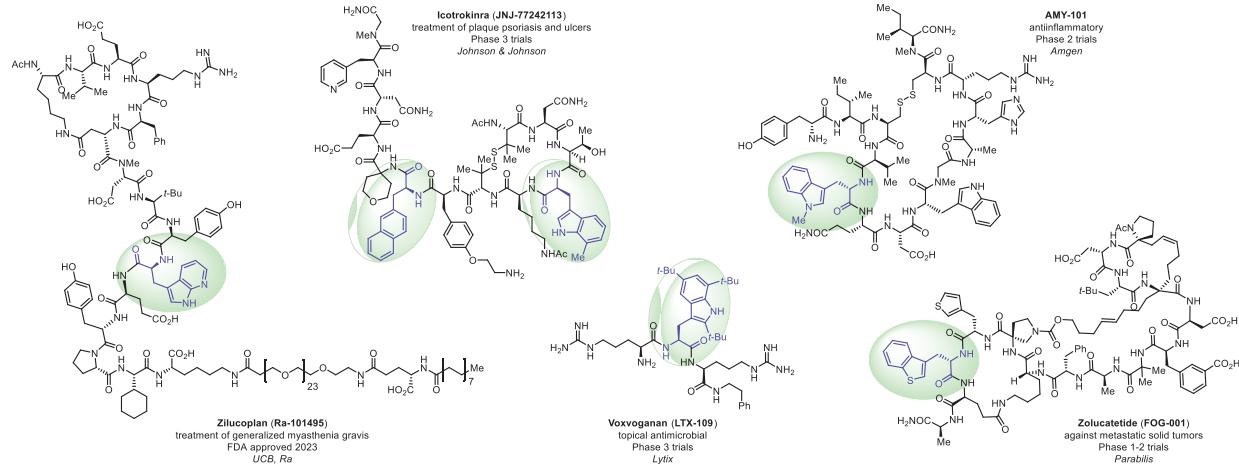


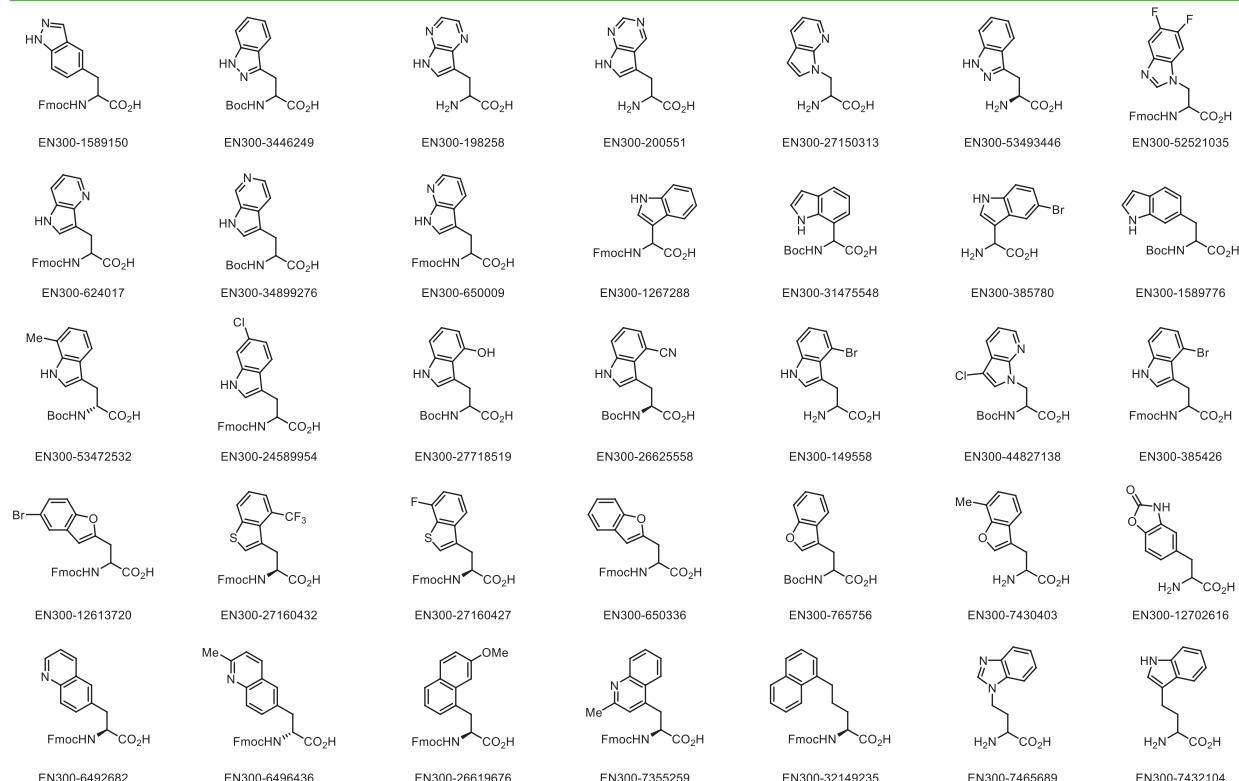
# Tryptophan Analogues

## Introduction

Tryptophan residues are structurally unique in bioactive peptides, thanks to their ability to engage in  $\pi$ -stacking interactions and undergo targeted chemical modifications.<sup>1,2</sup> By leveraging these distinctive properties, medicinal chemists have developed a range of tryptophan analogue-based drugs, few of which are now advancing through clinical trials.<sup>3,4</sup> These innovations highlight the potential of tryptophan analogues to fine-tune and amplify the functional properties of this essential amino acid. Discover our latest collection of tryptophan analogues designed to optimize the performance of your bioactive peptides and peptide-derived molecules.



We offer: over 100 tryptophan analogues from stock on 5-10 gram scale.



## References

1. J. Shao et al. *J. Am. Chem. Soc.* **2022**, *144*, 13815.  
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3. G. Tang et al. *Front. Immunol.* **2023**, *14*, 1213920.  
4. A. Fourie et al. *Sci. Rep.* **2024**, *14*, 17515.