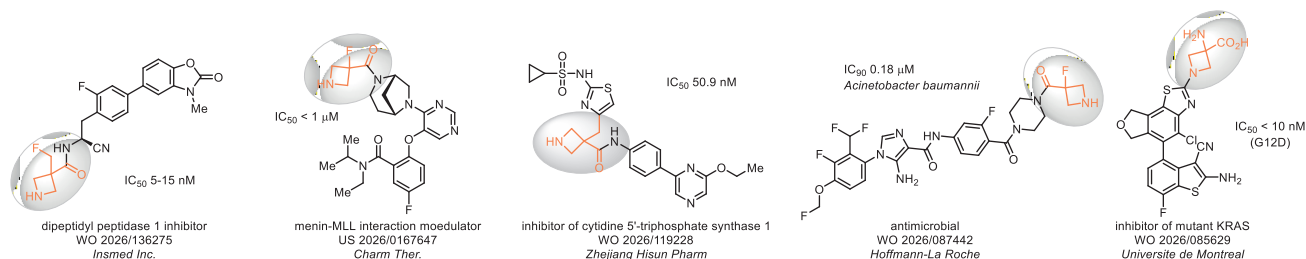


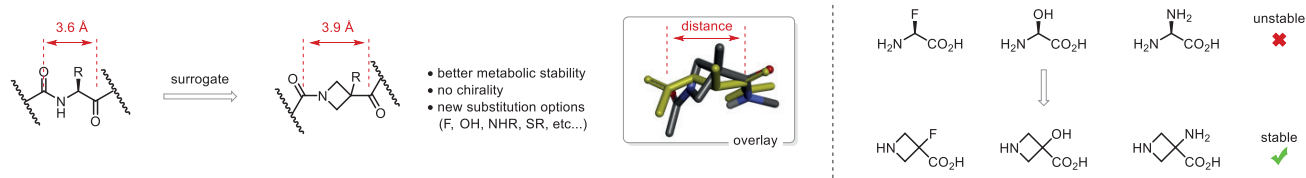
Azetidino Acids as α -Amino Acid Surrogates

Introduction

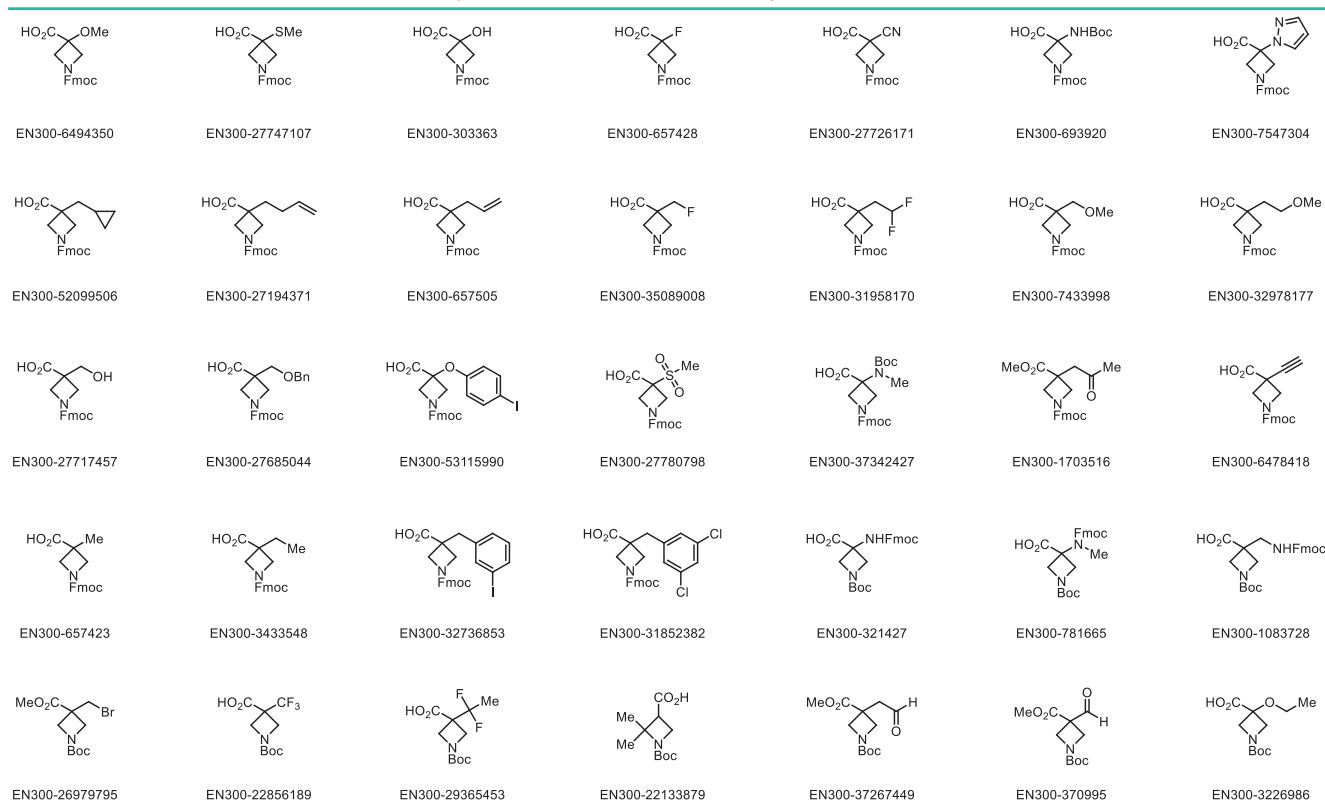
Amino acid surrogates are less recognizable to endogenous peptidases, thereby they effectively reduce metabolic clearance, extending the duration of action for peptide and peptide-derived pharmaceuticals.^{1,2} Azetidino acids represent a class of promising amino acid surrogates,^{3,4} as they maintain similar structural distances to natural amino acids and lack issues with reactivity and chirality. Unlike α -amino acids, where α -fluoro, hydroxy, or amino substitutions are unstable, azetidino acids form stable structures, enabling substitution patterns that are unattainable in natural amino acids and peptides.



Concept



We offer: over 100 azetidine-3-carboxylic acids from stock on 5-10 gram scale.



References

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2. K. Sharma et al. *J. Med. Chem.* **2024**, 67, 19932.

3. D. Johns et al. *Bioorg. Med. Chem. Lett.* **2025**, 127, 130307.
4. C. Lescop et al. *J. Med. Chem.* **2024**, 67, 2397.



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