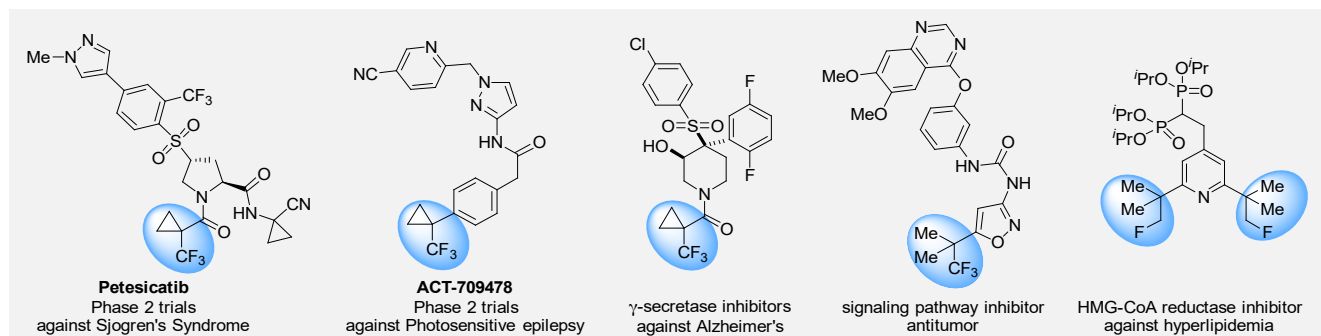


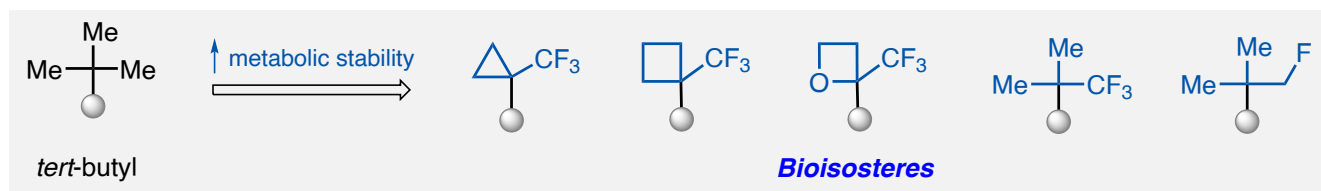
Bioisosteres of *tert*-butyl group

Introduction

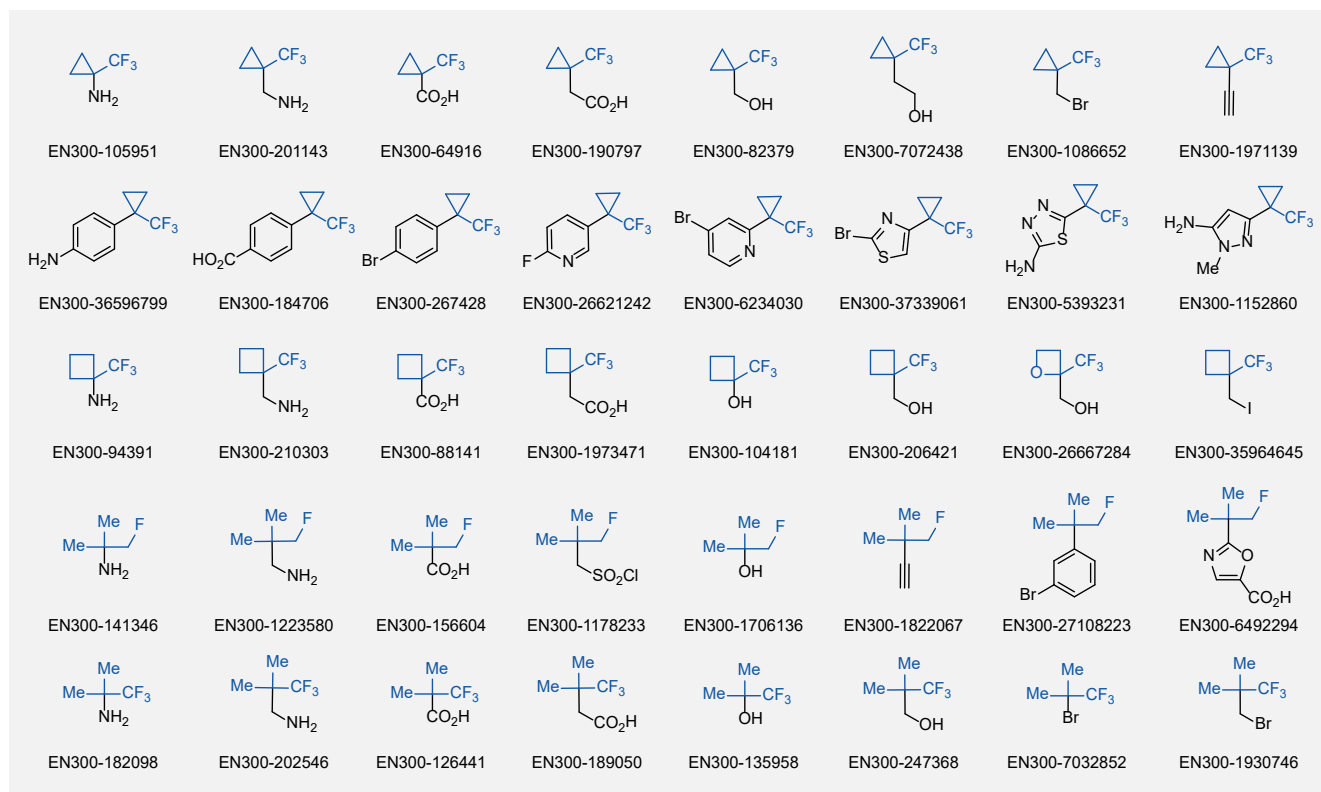
The *tert*-butyl group ($-\text{C}(\text{CH}_3)_3$) is a common motif in drug design due to its steric and electronic properties. Its bulky size and non-polar nature can be mimicked by other groups. Examples of bioisosteres of the *tert*-butyl group include cyclopropyl, cyclobutyl, isopropyl, and fluorine. These compounds can be used to modify the lipophilicity, solubility, and pharmacokinetic properties of a drug molecule to improve its efficacy and safety.¹⁻⁵



Concept



We offer: more than 100 bioisosteres of *tert*-butyl group from stock on a 5-10 g scale.



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