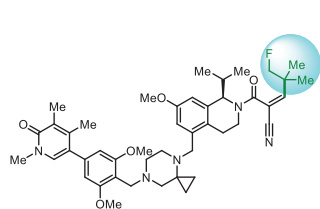


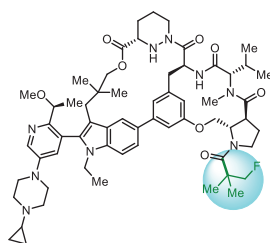
Fluoro-*tert*-Butyl Groups

Introduction

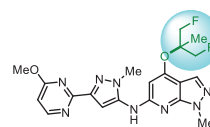
The *tert*-butyl group is one of the most common aliphatic substituents, appearing in over 50 FDA-approved drugs. Fluorination introduces subtle changes in molecular volume while conferring multiple advantages, such as reduced lipophilicity, improved metabolic stability, and lowered pK_a of neighboring functional groups.¹ Since 2023, the groups of O'Hagan^{2,3} and Grygorenko (at Enamine)⁴ introduced the β,β,β -trifluoro-*tert*-butyl moiety, completing the series of mono-/di-/tri-fluoromethyl analogues. Explore our diverse collection of fluoro-*tert*-butyl compounds to engineer your bioactive molecules!



degrader of bromodomain-containing protein 9
WO 2026/052822
Amphista

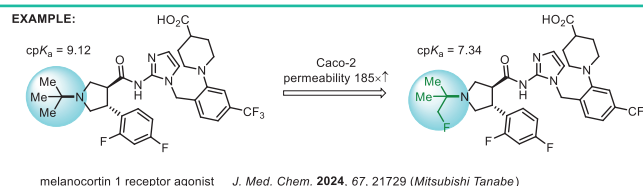
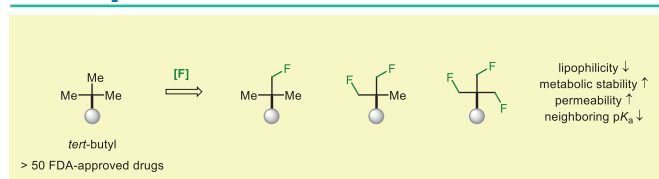


inhibitor of mutant RAS
WO 2026/073180
Revolution



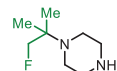
modulator of phosphatidylinositol 3-phosphate kinase
WO 2025/264959
Recursion

Concept



We offer: over 50 tri-/di-/mono-fluoro-*tert*-butyl compounds from stock on gram scale.

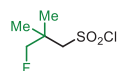
mono-F



EN300-7462214



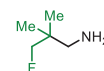
EN300-1822067



EN300-1178233



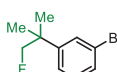
EN300-749563



EN300-1223580



EN300-141346



EN300-27108223



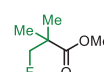
EN300-1085916



EN300-1706136



EN300-51915195

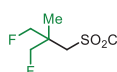


EN300-749562

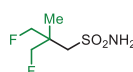


EN300-156604

di-F



EN300-52128787



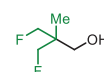
EN300-53272206



EN300-30909686



EN300-52058588

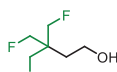


EN300-7315584

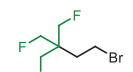


EN300-7590392

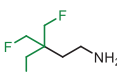
tri-F



EN300-52286233



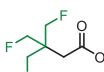
EN300-52273005



EN300-52462032



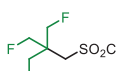
EN300-52286234



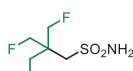
EN300-51765495



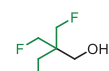
EN300-52114538



EN300-52128779



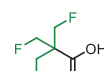
EN300-52295790



EN300-6947351



EN300-412720



EN300-7120494



EN300-7617419

References

1. A. Sato et al. *J. Med. Chem.* **2024**, 67, 21729.
2. L. Dobson et al. *Org. Lett.* **2023**, 25, 6802.

3. A. Tarui et al. *Chem. Eur. J.* **2024**, 30, e202402532.
4. D. Klyukovskiy et al. *Chem. Eur. J.* **2026**, 32, e70736.



Search & Buy on-line at **EnamineStore.com**
Look for more at Chem-Space.com

BB@enamine.net, www.enamine.net

