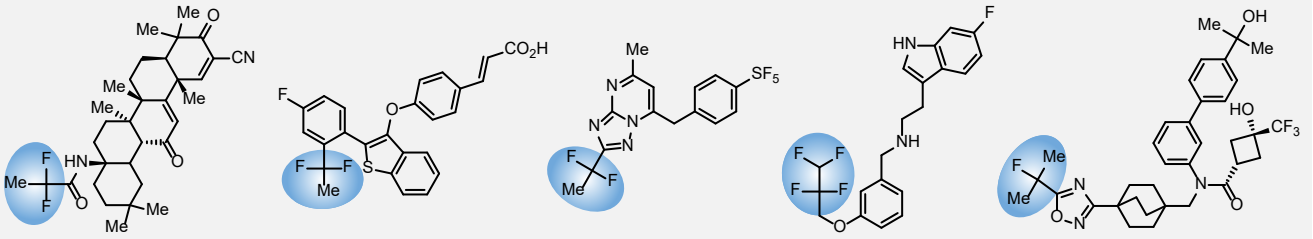
Unique fluoroalkyl substituents

Introduction

A wide variety of fluoroaliphatic moieties remain severely underexplored in drug design, in contrast to the CF_3-group, which is among the most frequently found fragments in modern pharmaceuticals. In recent years, a growing set of examples have demonstrated a considerable potential of variable non-traditional fluoroalkyl groups in both, medicinal chemistry and agrochemical fields.[1,2] These structures may address the issues associated with lipophilicity profile and metabolic degradation schemes of biologically active molecules.[3,4]



Omaveloxolone
Approved
Friedreich's ataxia

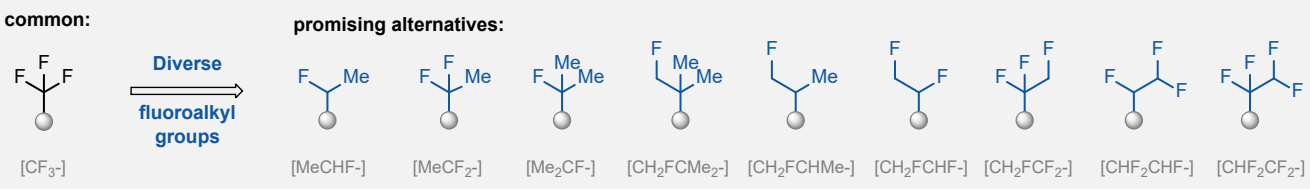
LSZ-102
Phase 1 trials
breast cancer

DSM-265
Phase 2 trials
malaria

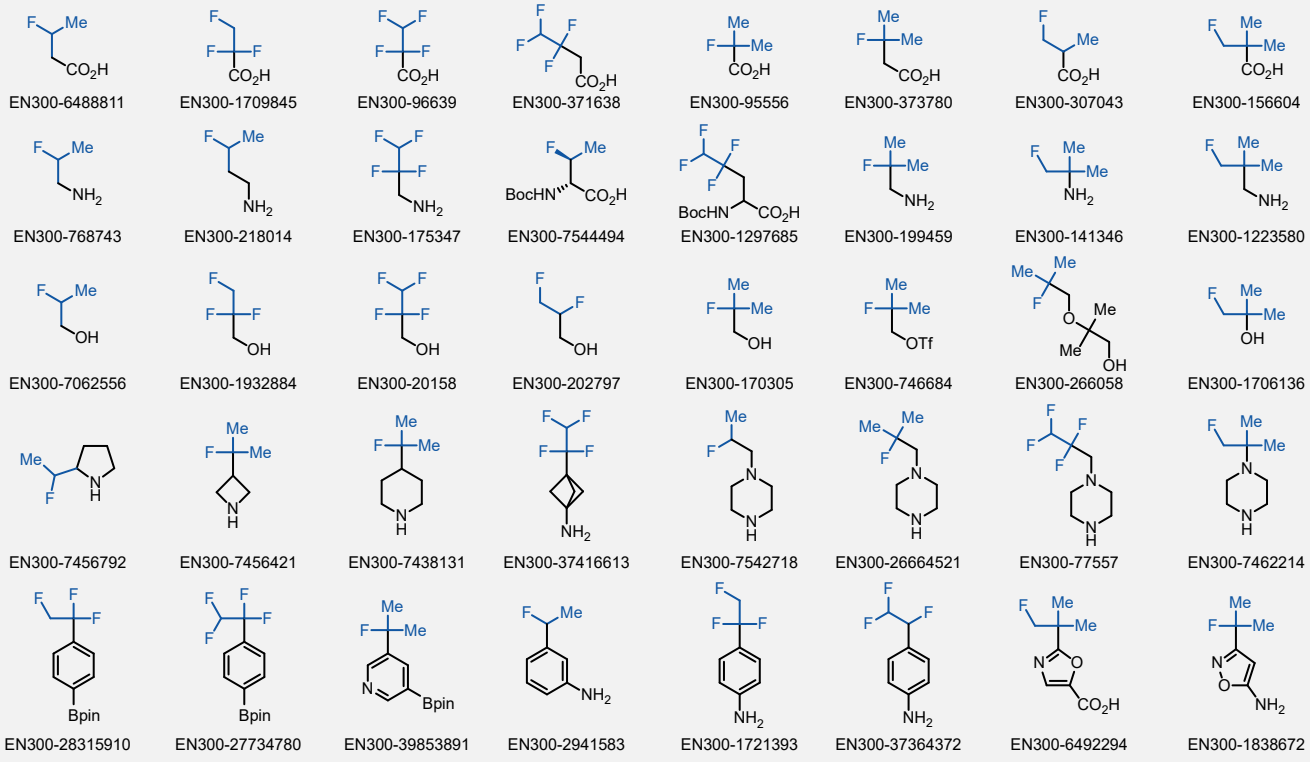
Idalopirdine
Phase 3 trials
cognitive deficits

BMS-986339
mouse model
nonalcoholic steatohepatitis

Concept



We offer: more than 100 Unique fluoroalkyl substituents from stock on a 5-10 g scale.



References

1. X. Zhang et al. *J. Med. Chem.* **2021**, *64*, 7575.
2. S. J. Nara et al. *J. Med. Chem.* **2022**, *65*, 8948.
3. B. Jeffries et al. *J. Med. Chem.* **2020**, *63*, 1002.
4. B. M. Johnson et al. *J. Med. Chem.* **2020**, *63*, 6315.

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