



**STEP 1:** *Chemistry-A European Journal*, **2017**, *23*, 10738-10743; **STEP 2:** *J. Med. Chem.* **2006**, *49*, 3159-3171 (experimental section, procedure for 36b); **STEP 3 and 4:** *Bio. Org. Med. Chem.*, **2020**, *28*, 115224 (DOI: 10.1016/j.bmc.2019.115244)-supporting information; **STEP 5A:** *J. Med. Chem.* **1996**, *39*, 2781 (experimental section 50a); **STEP 5B:** *Eur. J. Med. Chem.* **2013**, *65*, 83-93 (experimental section for 14); **STEP 6:** *J. Org. Chem.* **2019**, *84*, 7618-7629 (experimental procedure for preparation thio substrates); **STEP 7:** WO2019/145/3 (transformation of carbonyl moiety into  $\text{CF}_2$ ); **STEP 8:** *Chem. Comm.* **2017**, *53*, 2064