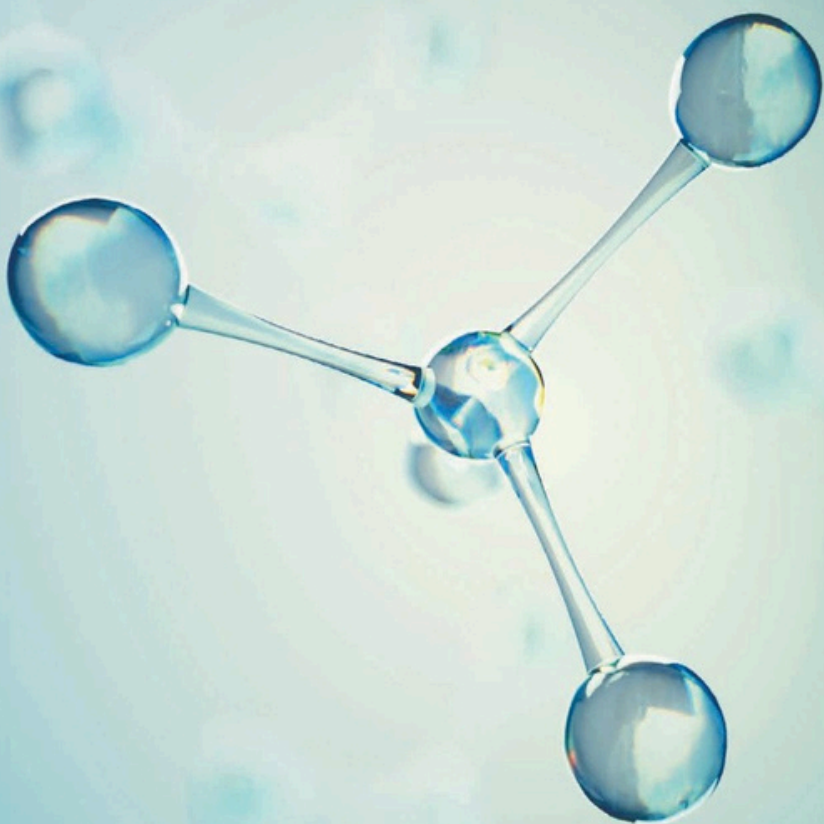


# FLUORINATING AGENTS



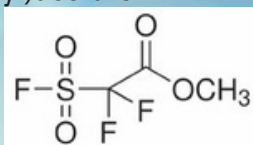
**SPE**

Summit Pharmaceuticals Europe

## NUCLEOPHILIC TRIFLUOROMETHYLATION

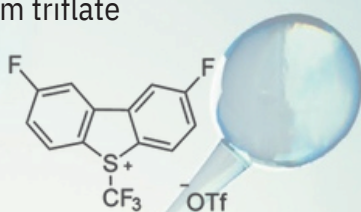
- Chen's reagent

Methyl 2,2-difluoro-2-(fluorosulfonyl)acetate  
(CAS 680-15-9)



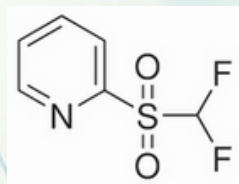
## ELECTROPHILIC TRIFLUOROMETHYLATION

- Umemoto's reagent II
- 2,8-Difluoro-5-(trifluoromethyl)-5H-dibenzo[b,d]thiophen-5-ium triflate  
(CAS 1961266-44-3)



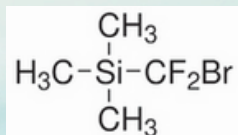
## NUCLEOPHILIC DIFLUOROMETHYLATION

- Hu's reagent
- 2-((Difluoromethyl)sulfonyl)pyridine  
(CAS 1219454-89-3)



## ELECTROPHILIC DIFLUOROMETHYLATION

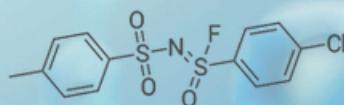
- (Bromodifluoromethyl)trimethylsilane  
(CAS 115262-01-6)



## DEOXYFLUORINATION

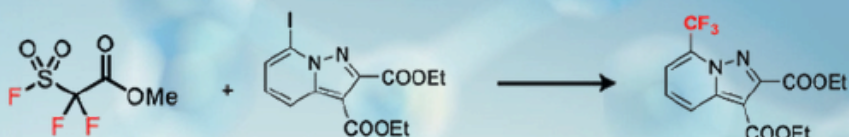
- SulfoxFluor<sup>®</sup>

4-Chloro-N-tosylbenzenesulfonimidoyl fluoride  
(CAS 2143892-50-4)



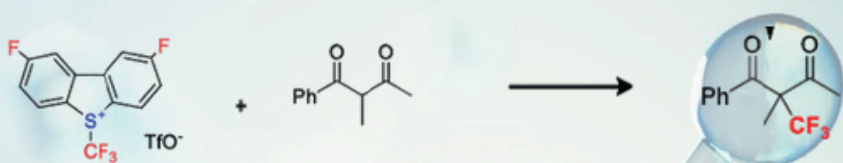
## NUCLEOPHILIC TRIFLUOROMETHYLATION

- Chen's reagent  
(CAS 680-15-9)



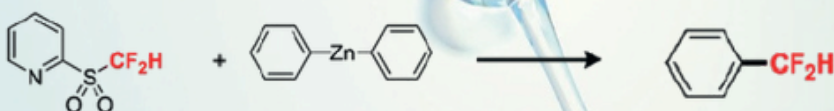
## ELECTROPHILIC TRIFLUOROMETHYLATION

- Umemoto's reagent II  
(CAS 1961266-44-3)



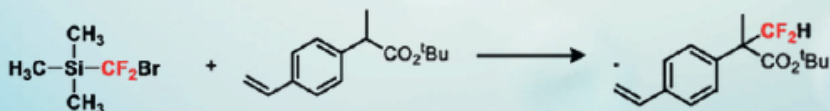
## NUCLEOPHILIC DIFLUOROMETHYLATION

- Hu's reagent  
(CAS 1219454-89-3)



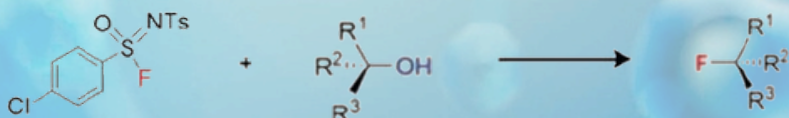
## ELECTROPHILIC DIFLUOROMETHYLATION

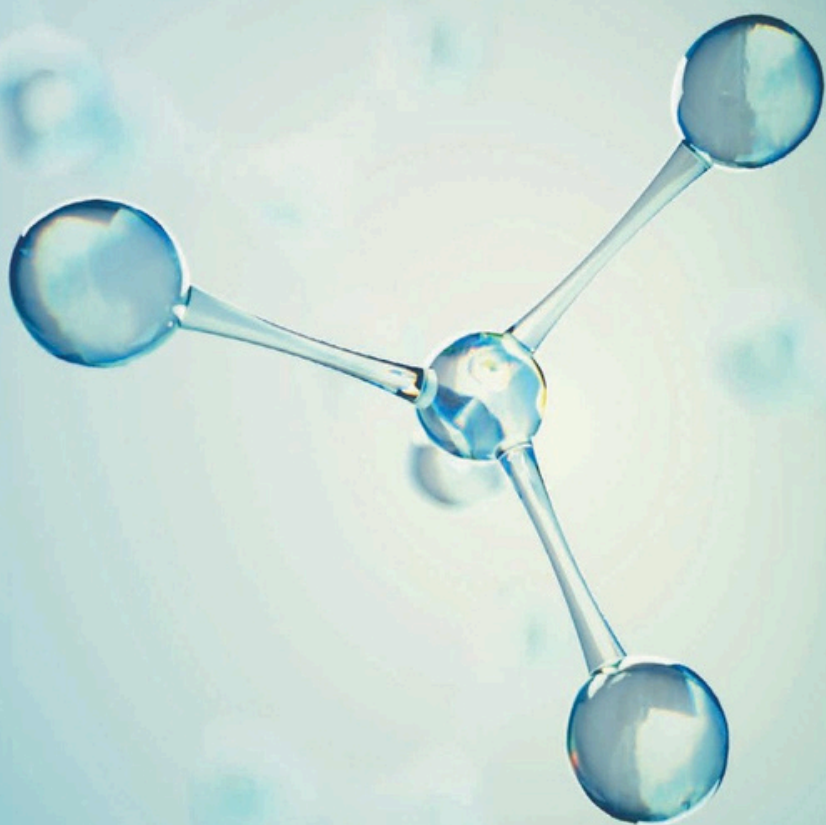
- (Bromodifluoromethyl)trimethylsilane  
(CAS 115262-01-6)



## DEOXYFLUORINATION

- SulfoxFluor<sup>®</sup>  
(CAS 2143892-50-4)





**SPE**  
Summit Pharmaceuticals Europe