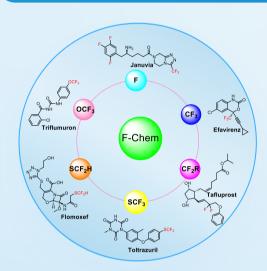


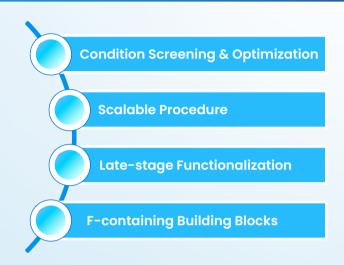


# Fluorine Chemistry Platform

- Founded in 2012, we have a professional and experienced team specializing in fluorine chemistry
- · Our collection contains most reagents used for introducing fluorine-containing groups into small molecules
- Developed and established the application of SF4 in Flow Chemistry

#### **Capability of Fluorine Chemistry Platform**





## **Well-Developed Condition Optimization System**

Deoxyfluorinatioan (F)

$$R^2$$
 O decooffuorinating reagents  $R^2$   $R^2$   $R^2$  DAST, BAST, SF<sub>4</sub>, etc.  $R^2$   $R^2$   $R^2$ 

Trifluoromethylation (CF3)

$$R \xrightarrow{||} X \xrightarrow{\text{CF}_3 \text{ source}} R \xrightarrow{||} R \xrightarrow{||} CF_3$$

$$X = H, Br, I, NH_2, B(OH)_2$$

Difluoroalkylation (CF2R)

$$R \xrightarrow{\text{$I$}} X \xrightarrow{\text{$CF_2$R source}} R \xrightarrow{\text{$I$}} R \xrightarrow{\text{$I$}} CF_2R$$

$$X = H, Br, I, NH_2, B(OH)_2, R = H, COOEt, Br$$

Trifluoromethylthiolation (SCF3)

$$R = \frac{X}{1} \times X = H, Br, I, NH_2, B(OH)_2$$

OCF3, N-CF3, SF5, etc.

15+
years experience
10K+
fluorinated BBs
66%+
internal success rate

20+
reaction types
from request to proposal

mg to kg scale





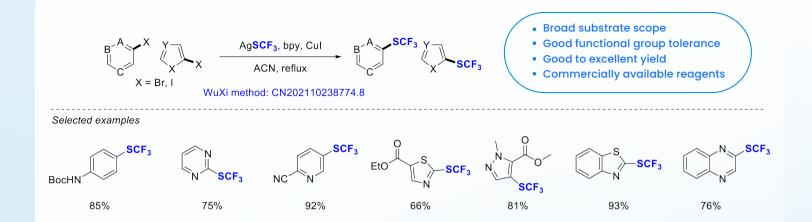






## **Research Chemistry Services**

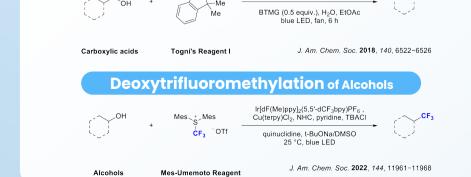
### Improved Trifluoromethylthiolation by Fluorine Chemistry Platform



#### **Cross-Platform Cooperation: Fluorine + Flow-Chemistry**



## Cross-Platform Cooperation: Fluorine + Photo-Chemistry



**Decarboxylative Trifluoromethylation** 

- Highly efficient: no need for pre-activated substrates
- Excellent functional group compatibility: heterocycles, olefins, alcohols, and strained ring systems
- Large substrate scope: primary, secondary, and tertiary alcohols
- Late-stage functionalization, such as sugars, nucleosides and complex drug-like molecules

**Disclaimer:** This flyer is solely for discussion and informational purposes. It does not constitute an offer to provide the compounds/technology mentioned. Any order placed will be subject to a thorough IP risk assessment. We will only accept orders for synthesis services if it is determined that no third-party intellectual property rights are infringed.