

## Trimethyl(bromodifluoromethyl)silane

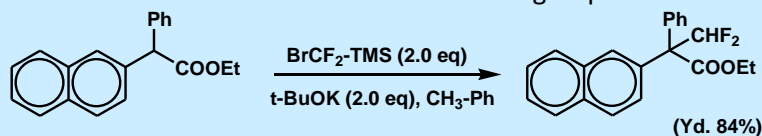
トリメチル(ブロモジフルオロメチル)シラン (略号 ; BrCF<sub>2</sub>-TMS)



Purity	97%
CAS Number	115262-01-6
Molecular Formula	C <sub>4</sub> H <sub>9</sub> BrF <sub>2</sub> Si
Molecular Weight	203.1

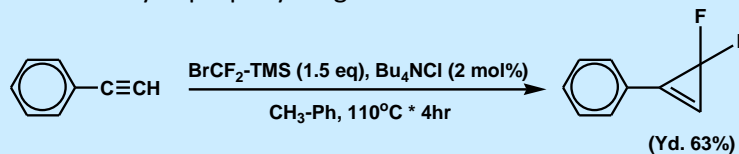
BrCF<sub>2</sub>-TMS is an easier :CF<sub>2</sub>-carbene generator which could generate :CF<sub>2</sub>-carbene at RT, and the raw material is affluent.

1. CF<sub>2</sub>-Insertion to C-H bond to form -CHF<sub>2</sub> group



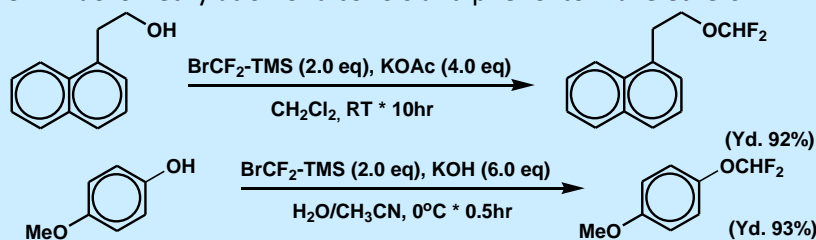
*Angew. Chem.* 2019, 131, p6471-6476

2. Difluorocyclopropenyl ring formation



*Thesis submitted to PhD. Degree at Univ. of Warwick, by Sio Lan Wang, May 2015, p59*

3. Difluoromethylation of alcohols and phenol to make ethers



*Angew. Chem. Int. Ed.* 2017,56, p3206-3210, *Synthesis* 2014, 46, p0842-0863

### Application

### Properties:

Appearance	Liquid
Boiling point, °C	110-112
Flash point, °C	-

### Capacity:

-

### Packing:

-

### UN, PG:

-